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Part I: Co-operation and Association

GERMANY.

MISCELLANEOUS INFORMATION.

- Extension of Agricultural co-operation in Germany in 1912.

Agricultural Co-operation in Germany made remarkable progress 1912. There were no less than 1,541 new agricultural co-operative leties founded and registered in the register of co-operative societies. 227 ceased to exist during the year, the real increase was 1,314. This rease is far larger than those in the two preceding years, for, in 1911, 783 1,087 and in 1910 only 813. There was an increase in every class or-operative societies, though in various degree; it was distributed follows, where it is shown, in the case of each class, as percentage of number of societies existing in the preceding year:

Loan and Savings Banks	683 =	4.21 %
Co-operative Societies for Purchase and Sale .	89 =	3.83 %
Co-operative Dairies (Co-operative Societies for		0 0,0
Sale of Milk)	62 =	1.81 %
Other Co-operative Societies	480 =	15.13 %

Although the rural loan and savings banks were already many, their nber has again increased to a remarkable degree, whilst the group of co-mative societies for purchase and sale and that of the dairies has inseed in smaller proportion. On the other hand, the societies of other we than the former have shown the most considerable increase. Among selatter we must note quite especially the increase of the co-operative interest of the distribution of electrical energy, of which there were 342 wones founded: then, there were 12 new societies for the sale of livestock, for hydraulic works, 47 for the employment of machinery, 14 for horse provement, 18 for horned cattle improvement, and, finallly, also, 18 pasturage of cattle.

That the number of loan and savings banks is so high, in comparison hith increase in the previous year and in view of the high figure already

attained, is due to the foundation of a new federation of co-operative societies in Bavaria. The Union of Bavarian Christian Peasants, with head quarters at Regensburg, at the head of which is the eminent Dr. Hein a wellknown former deputy, has founded an independent federation to inspection, whence the great movement in favour of the foundation of new loan and savings banks. The Provincial Federation of Agricultum Loan Banks, which had already produced good results in Bavaria, we then, for its self preservation, obliged to undertake the foundation of

new banks, more actively than before.

The rapid extension of the co-operative societies for the distribution of electrical energy is a consequence of the movement manifesting itself with unexpected force in favour of the distribution of electrical energy in the country. We see that in 1912 the increase was very great, especially in Silesia, Brandenburg, Hanover and Mecklenburg, but above all in Pomerania. In that province, the work was undertaken methodically, with the foundation of central societies, including several cantons in the sphere and having the form of societies limited by shares. The financial basis of the undertaking must be so arranged that the Province, the can ton and the consumers each pay 1/3rd. of the initial costs. As regard local organisation, 510 co-operative societies for the distribution of electrical energy and for working machinery have been promoted, not all however, as yet definitely founded nor regularly registered.

It may be observed that, in comparisor with previous years, few the co-operative societies for dessiccation of potatoes have been formed. In was a bad year for the potato crop. It only amounted to 34,379,00 tons, while the usual crop is 45,000,000 tons. It is very evident that the has hindered the foundation of new potato dessiccation undertaking

hindered the foundation of new potato desiccation indertains. In 1912 the number of the co-operative societies was as follows:

26,576 agricultural co-operative societies
98 central ""
16,927 loan and savings banks
2,409 co-operative societies for purchase and sale
3,488 ", dairies
3,654 other co-operative societies.

The number of members of these 26,576 co-operative societies is we nearly 2,500,000. In this number, however, many of the same members are counted several times, for there are many instances in which members at once to several societies. But it is hardly possible to arrive an exact estimate. If we distribute this number of members among to-operative societies, we have about:

in	16,927 loan and savings banks 1,670,000 mer 2,409 co-operative societies for sale and pur-	abers
"	chase 240,000	,,
;,	3 ANN co-operative darries	17
,,	3,654 other co-operative societies 230,000	17

These figures show in a very significant manner the consolidation the agricultural co-operative movement in Germany. They let us see othat there is still a very wide margin for further development of agrihual co-operative societies in the future. The members of households the rural communes is more than 5 1/2 millions and that of the independtarmers exceeds 21/2 millions. As among the 1,670,000 members of loan and savings banks, there are many who are not farmers, we see it even these banks may become far more numerous and increase the mber of their members. The same may be said of the other classes of mentive societies. However, it must be observed here that the loan d savings banks are engaging more and more in collective purchase and is hindering the development of the local co-operative purchase societ-Out of 12,797 loan and savings banks of the National Federation German Agricultural Co-operative Societies, 7,611 had been engaged collective purchase since 1910. In the same way, it is scarcely probable it the co-operative dairies should increase rapidly. The continually reasing consumption of fresh milk in the towns and industrial centres igainst this in the first place, and, in addition, for technical and economic sons, it would be better to enlarge the dairies already existing rather in to found new ones, which, as being smaller, would give inferior alts. But we must expect a larger increase in the number of co-operatsocieties of other character, such as has begun in recent years. The lowing figures confirm our statement:

								_
July 1st.	1905	٠						I,443
June 1st.								2,715
End of	1912	•	٠	•	٠	•	•	3,654

Societies

 LIABILITY OF THE FEDERATIONS FOR INSPECTION AND OF THEIR INSPECTORS, ACCORDING TO A DECISION OF THE IMPERIAL COURTS.

A decision of the Supreme Court of the Empire on the liability of the leations for inspection and that of their inspectors has excited keen least in the co-operative world. In recent years it has often happened at the co-operative societies have tried to make the federation and the spectors liable for their losses. They claimed that the losses were due the inspection not having been carried out as it ought to have been.

A co-operative society took action in a case of this kind and in the fresort the Supreme Court of the Empire gave final sentence. On the court of the Empire gave final sentence. On the court of the Empire gave final sentence.

principles with regard to inspection and the responsibility it entails. To judgment was published in the sixth number of the Review of the Comman Agricultural Co-operative Societies (1), on March 30th., 1912. To general rules that the Court established by this decision are the given together.

(a) Liability of the Federations for Inspection.

It is first of all clearly established by this decision that there can be no question as to the duty of a federation to guide the societies affiliate to it. This would be the annihilation of self-help and independent man agement, which are the very foundation of German co-operation.

In this judgment of the Court, no answer is given to the question as to the liability of the Federation, in order that such liability may be shown in its rules, for the facts on which the lawsuit was based in not demand it. The Court contented itself with putting the question whether, in accordance with the provisions of the law on co-operation as inspection, and under what circumstances, an action for damages on the brought. With regard to the legal liability of the federations in inspection, the court expressed itself as follows:

r. It is too little to consider that the federation has no other dut than that of appointing an experienced inspector. When, in §556 and 60 of the law on co-operation the duty of inspection is mentioned as incumbent on the Federation, it is to be understood that there must be a lead obligation between the federation and its affiliated societies consisting

in the simple duty of the appointment of an inspector.

2. The Federation must, in the first place, exercise supervised over the inspectors appointed by it. This is seen in §63, No. 3 of the in on co-operation, where it is laid down that it is the duty of the inspect to present to the Board of Management of the Federation a duplicat copy of his report of his inspections. This provision would have no sense if the Federation were not thereby empowered to intervene in as the work of the inspector were insufficiently or even incorrectly performed. When a Federation observes such deficiency in its inspector and negled to take the steps the circumstances call for, if need be dismissing their spector, it will have to compensate for any loss suffered through his action.

3. On the other hand, the Federation is only liable for damage which are really traceable to it. It is only so culpa in eligendo at an itodication, that is to say for damage due to its appointment of their spector and through its want of supervision over him, in so far as by the law on co-operation this supervision is a duty incumbent on it. The Federation is not liable for the insufficiency of the work done by the inspector after it has done its duty by appointing and supervising him.

4. The inspector must not be considered as legally appointed it represent the Federation. He is quite simply an expert charged by on

⁽¹⁾ Deutsche landwirtschaftliche Genossenschaftspresse.

ct to perform a definite service, but has nothing to do with the organtion of the Federation. Section 278 of the Civil Code (I) does not be apply in any way, and that, above all, because,

5, as is seen, when we consider the intention of the provisions the law on co-operation and on the inspection to be carried out by the detation, it is not the part of the Federation to perform the prescribed ties. Too great importance must not be given to article 52, according which the work of a co-operative society is subject to examination inspector.

In accordance with these principles, the court decided that the fedtion for inspection accused had not failed in the discharge of its duties. It fact that the inspector omitted to forward to the president of the fedtion a copy of his report on the inspection performed by him is only, cording to the Court, in form an infringement of No. 3 of art. 63 of the on co-operative societies, and could lead to no injurious consequences.

(b) Liability of the Inspector.

With regard to the liability of the Inspector, the Supreme Court of Empire pronounced itself to the effect that the inspector, whether pointed by the federation or by the court, has equally a legal obligation wards the society, as a result of which he is bound to give compensation damages due to his fault in the exercise of his functions. He is, however, ally liable for damage due purely and simply to his having failed in his pies, but that must be proved by the plaintiff, that is to say, in the case i point, by the society.

Practically, it is far more difficult than might be thought at first ght, to furnish proof of this. Even when a fault has really been commitd either by the Federation or by the inspector, it is extremely difficult prove that the loss is directly due to the fault. Besides, as in ses of this kind there will always be a fault also on the part of the soety, and especially of its board of management, it is difficult to distribte the liability accurately. Thus a case will seldom present itself in hich the inspector or the federation is exclusively liable for damages. Everything considered, those concerned, the federations, inspectors, ad co-operative societies, can only congratulate themselves on the conclusns of the Supreme Court. Federations that have carefully disparged the obligations imposed on them by the law on co-operative sothes, in relation to the appointment and supervision of inspectors, can of be called to account for losses due to the inspection having been imriectly carried out. Inspectors who have performed their duties thevery care will be freed from all liability. They will, on the contrary, called to account for losses whenever it is proved that the society has

⁽t) It is provided in that section that if the legal representative of any one who has duties perform, or persons employed by him in the performance of the above duties, fail in spect to them, he is hisble to the same degree as if the fault were his own.

incurred these through the sole fact of their having failed in their profesional obligations either wilfully or through negligence.

As to the societies themselves, they will be able to see from this decision how much importance the Supreme Court attaches to inspection for the security of their business. They must also understand, that if the federations and inspectors assume a serious responsibility, the importance of which cannot be too highly rated, they have a right to corresponding advantages. The way in which the court begins the statement of the grounds of its decision witnesses to the just conception it has of co-open tion. It refers to the "independence of the societies, which is the fundamental character of German co-operation."

It is to be hoped that the inspection will always be carefully came out by those concerned, and, at the same time, that the societies may be ver lose sight of that just and significant maxim of the Supreme Court of the Empire: "The duty of the board of management is to carry in the business, and that of the council of supervision to supervise it continually."

* 1

 Debates and decisions of the 28th. congress of German Ager CULTURAL, CO-OPERATIVE SOCIETIES AT DRESDEN, ON THE 11th. And 12th OF JULY, 1912.

Every year, and generally in July, though formerly it was in a gust, a Congress is held of the German Agricultural Co-operative Societies and Federations belonging to the "Reichsverband der deutsche landwirtschaftlichen Genossenschaften".

This Congress is every year held in a different district within the spher of the federation. This is in order to diffuse the principles of co-operationic every part of the Empire, and at the same time to allow those who attend the congress to be come acquainted with the various forms and manifestation of co-operation. The general meeting of the Congress lasts two days. Generally, previous to this there are two or three days in which special meetings of the various administrative organs of the Reichsverband of the Board of Management and the General Commission are held. Then are also meetings of the inspectors, of the co-operative dairy instructor and the officials of the employées' insurance societies. The Congresends with an excursion. In 1912 the two public meetings were held a Dresden on July 11th. and 12th. The members had the pleasure of string again among them, Privy Councillor Hoas, of Darmstadt, General Manager and founder of the federation, just recovered from a low illness(1).

⁽¹⁾ On February 8th., 1913, Privy Councillor Hoas was finally lost to the cooperative world. In one of the following numbers of our Bulletin we shall give an account of his life and shall above all dwell on all the benefits agricultural co-operation owes to him.

The discussions opened with a report on the work of the Regional leration of Saxony by which the Congress was organized. Aulic Country Bach of Dresden, Manager of the above Federation, showed that Development of Agricultural Co-operation in Saxony, has long suffered in the effects of the crisis of 1873 and 1874. This crisis declaring itafter the extraordinary and consequently abnormal development German economy caused the failure of many credit co-operative socies of Schulze-Delitzsch type. These disasters excited among the mess a great aversion from co-operative enterprise. It was only law of 1889 on co-operative societies that again aroused their interest isympathy for the idea. Since then, agricultural co-operation has reloved marvellously in Saxony.

In the summer of 1912 there were 514 agricultural societies, 479 them affiliated to the Federation. The total number of their members 528,409. The co-operative loan and savings banks and the societies collective purchase have developed in Saxony to a quite special dese, for it is in the combination of financial and commercial business at the farmers most of all find the advantages of co-operation. The 1814 accomplished by the societies exclusively for purchase of farm resistes and sale of agricultural produce is not less providential, for there no other department of business in which there is so little commercial nests.

There are comparatively few co-operative dairies in Saxony that have tained a certain prosperity. This is explained by the fact that the compution of milk and its products is in excess of the local production, dno need for co-operation is felt in the case of goods the sale of which fairly easy. There is another class of co-operative society of great momic importance, that namely for water supply. These societies we been of great service both for men and animals. The same may said of the co-operative pasturage societies which are found in larger mater in the Saxon than in all the other German federations. They we been a great benefit for the general health of the livestock of the gion. And this assertion certainly loses none of its value, even if there we been periods of drought and epidemic which have injured our live-tock.

The credit co-operative societies and the societies for purchase and le depend on two central societies: namely, the Landesgenossenschaftssee (Central Bank for the Saxon Co-operative Societies) and the the
sudwirtschaftliche Zentralgenossenschaft (Central Agricultural Co-operive Society). Besides this Zentralgenossenschaft, Saxony has three
her institutes organized on similar principles. These are the Co-opative Society for Purchase and Sale for Oberlausitz at Zittau, founded
1895; the Co-operative Granary of Löbau, and the Co-operative Mill,
kery and Warehouse of Oberes Müglitztal at Bärenhecke.

This communication was followed by the Annual Report, presented the Rural Economic Councillor Johannsen of Hanover, in the name the president. A part of this Report includes information we give in this article. The rest, consisting of statistical dah, we have already reported and amply commented on in the number of our Bulletin for November, 1912. So we do not think it necessary to deal with it further.

The Report presented by Prof. Dr. Dade of Berlin, General Secretary of the Imperial Board of Agriculture, on "the moral and economic form of co-operation in German agriculture," witnesses to a high appreciation and a deep knowledge of the subject. He summarised his report in his interesting conclusion on the "Limits of Co-operative Action." He said "Human action is determined by motives of social and individual change ter. In its nature, the co-operative movement is social. Yet it must not exclude individual action, which is of great importance in the history of agriculture. Thus the development of co-operation finds its limits where individual action can produce economic and moral results of high er importance for the general interest, and where a certain number of persons desirous of uniting in co-operative societies encounter insurmount able legal and technical difficulties. Therefore it is not advisable to extend the work of a co-operative society to the soil which is the most important factor in production, or to the immediate work of agriculture since, in such case, obstacles would be placed in the way of the exercise of the personal capacity of the farmer, his independence, his just sentiment of responsibility towards his family and the State. Besides agriculture would lose the private and family character that it has had in Germany from the earliest times."

Dr. Rabe, of Halle on S., rural economic councillor, then spoke on the following subject: How far do co-operative societies contribute to a

suitable utilisation of farm requisites?

The speaker showed how the agricultural co-operative societies contribute to the economic and intellectual progress, above all of small and medium farmers, and how quite especially they exert their efficacions influence on the increase of agricultural porduction by rendering possible a more extensive use of farm requisites. He spoke quite specially of the providential work of the co-operative societies for the supply of cattle food in 1911, when this was scarce. Dr. Petermann, Councillor of Economy at Chemnitz, read his report on the question of the compulsory declaration of the fatty matter in cheeses. For many years the producen of the regions in which cheeses are rich in fats and the technical inspector of alimentary produce have been making propaganda in favour of this It has naturaly encountered opposition from the producers of cheese poorer in fats. The latter are afraid, on the one hand, of their produc being discredited, and, on the other, that their difficulties in selling will be increased by the high charges for analysis. The meeting accepted the conclusions embodied in the Report. The presenter of the same stated that it was dangerous to apply a simple scale of fixed figures to cheese and that the matter should be carefully weighed, in order that the various conditions of production in the different regions should be given all their due importance. The Congress therefore charged the Board of Manage

at of the National Federation to occupy itself in the matter and to see it the interests of the German producers are protected.

Prof. Dr. Falke of the University of Leipzig, spoke of the formation co-perative passurage societies and of farms for the improvement and tening of pigs. Some years ago Prof. Falke devoted a great deal of intion to the subject and has also himself co-operated practically the foundation of co-operative farms of this character. The conclusions ame to, as shown in the report, are as follows:

"The experiments up to the present made in the field of co-operative ares dispose us to the belief that in regions where small farms prethese pastures meet the requirements of horned cattle improvement.

EVER, the task the co-operative society has to perform is principally native. In these regions horned cattle improvement can only really ance when each improver owns pastures of larger or smaller area. The economic success of the co-operative pasture societies depends all on the personal action of their managers.

The foundation of co-operative pig improvement establishments is fally important for regions where this class of improvement is rare ion-existent. In such regions the co-operative society has to serve in encouragement and guide, while at the same time it provides the ness with boars.

Co-operative pig improvement societies may have their influence the formation of the price of pork, etc. These prices must be regulation in the interest of the producers and of the consumers, for they subject to great variation and there is a great difference between the and purchase prices. For the purpose, the co-operative societies did work in agreement with the communal councils and make contracts hen, if possible for long periods, for the supply of butchers' meat cheap and uniform rates. Such agreements might be based on the ances that the town councils might make to the co-operative societion their working expenses. The effect of such common action would the drawing together of town and country and the establishment of imderstanding for their mutual advantage."

Such conclusion of long term contracts between livestock producers town councils is a matter in which both the public and the co-operat-societies have recently taken a keen interest. We shall deal more eight with the matter in the following section.

An equally interesting subject of great present importance was dealt by Dr. Kapp, Superior Privy Councillor and General Manager of the trussian Landschaft. He spoke of the Importance of Public Insurance times for the Rural Population in Co-operation with the Co-operative ities and Federations. Thanks to the untiring labours of Councillor p, in recent years, public life insurance institutes for the agricultural ses have been founded in six provinces of Prussia. The subject of insurance has recently acquired even greater interest, for the urban penative distributive societies of the Central Federation of Hamburg the labourers' leagues have undertaken to form a life insurance in-

stitute under the name of Volksfürsorge. But as it was feared that, institute of this kind would only consider class interests and thus accomnate class animosities, it was attempted to improve matters by the foun ation of a popular national insurance office on a wide basis. Starting from this scheme, Dr. Kapp went on to formulate the following conclusion ions which were approved by the meeting:

"It is very desirable that life insurance should develop as speeding as possible and that its advantages should be available for every de of the population, and especially of the rural population, which up to it present has been little inclined for this kind of insurance.

The 28th Congress of German Agricultural Co-operative Societies holds that, there is a means perfectly adapted for the accomplishme of this mission, namely public life insurance as it has been for some ti transacted by independent life insurance societies in common law.

The public life insurance institutes have it for their end and objective to hinder the capital accumulated by savings from leaving the comb for the towns and industrial centres, for the purpose of insuring life an thus indirectly favouring and extending the rural exodus, as it may proved has happened in the case of money invested in private insurant Such capital must, on the contrary be saved and utilised for the econom development of the districts in which it was produced. It must especia ly serve for dismortgaging, for the reinforcement of real estate, and the encouragement of the professional acitivity of the urban and nu middle classes. This insurance must also serve to excite in the labour the desire to protect their own interests which is inclined to slumber der the influence of the social political legislation of the Empire, to a courage them in economic independence and to excite in them the sen ment of their dignity and their responsibility. To attain this en to compulsory old age and disablement insurance as established by must be added popular life insurance on a wide basis. All this harmonic well with the spirit of co-operation and consequently deserves unlimited support of the German agricultural co-operative societi and their Federations.

It is also necessary for the general manager to:

I. enter into relations with the Federation of German Public li Insurance Institutes, in order to lay the necessary basis for the foundation of popular insurance of general utility on a national foundation with collaboration of the co-operative organizations;

2. promote the foundation of public life insurance institutes, the States of the Empire or the provinces in which they do not yet end In the fifth section we shall speak more in detail of this collaboration

on the part of the co-operative organizations.

The last item on the agenda was dealt with by Herr Hoheneg Munich, Economic Councillor and General Secretary of the Bavar Federation of Agricultural Loan Banks and other Agricultural Co-open ive Societies, namely: To what degree and on what conditions are the ra m and savings banks able to contribute to satisfy the real credit needs of

We know that the principal object of the rural loan and savings banks to grant personal short term credits for the working expenses of farming dot long term real or mortgage credit. However in practice, whether is that the management of the banks have not the energy to re fusethose need of credit, or that they have a superabundance of cash and desire obtain higher interest than the central co-operative banks generally see, a large amount of capital has been invested in real credit. This and of loans entails a danger that the co-operative societies may find emselves with no availble capital, above all in moments of financial sis. So the Congress of Co-operative Societies recommends greater indence in this class of business. It has laid it down that loan and wings banks must only engage in credit business when there is no risk their immediate solvency and the necessary funds are guaranteed by each provisions such as those in the Bavarian law on the subdivision untal land.

 SUPPLY OF MEAT TO TOWNS BY THE CO-OPERATIVE ORGANIZATIONS, ON LONG TERM CONTRACTS WITH THE COMMUNES.

In his report above referred to, Prof. Dr. Falke stated his conclusions, inch were accepted by the meeting, maintaining the advantage of concets of this nature. What led him to these conclusions was the concetentered into at the beginning of 1912 between the towns of Ulm M Neu-Ulm and the Dig Improvement and Fattening Society of the strict of Neu Ulm. In that contract the towns undertook for a period five years to buy a fixed quantity of pork at 126 marks per quintal. be contract contained also other clauses which were reproduced in the laber of this Bulletin for August, 1912.

In less time than could have been believed, the resolution of the Conss of Co-operative Societies and the example of the towns of Ulm and en-Ulm have had a practical effect. In consequence of the scarcity meat and the epidemic of thrush, of the economic progress as well of other influences of an international character, in the autumn of 1912 are was an extraordinary rise in the prices of livestock and of butchers at. As a remedy, the government of several States took measures the haditation of the supply of livestock and butchers' meat to towns dorganizations of public utility. These measures consisted in a reduction of 30 % on carriage and a reduction of the customs dues.

In consequence of this, the communal councils engaged to take assures to facilitate the supply of meat. Many towns even directly

arranged for the import of livestock and slaughtered animals. Ye this immediate action of the communes often enough met with strong opposition on the part of the proprietors of slaughterhouses, he were the consumers very ready to approve it, above all the poorer class es, who, rightly or wrongly, considered the meat imported from Russia and Holland to be of inferior quality.

Under these circumstances, the national livestock improvers notified the communes that they could supply large quantities of butchers' men above all of pork, at prices far lower than those current, provided the towns would engage to buy a definite amount for a certain number of year Thus everywhere, the desire was manifested for long term contracts for hi supply of butchers' meat at fixed rates.

The various governments themselves encouraged the movement Thus, on October 25th., 1912, the Imperial Chancellor made the following declaration to Parliament: "I think that we should very seriously on sider whether an agreement of this nature between the agricultural or operative societies and the towns may not have a very beneficial in

fluence on the price of meat."

However, up to the present, as far as can be learnt, the offers mad by the co-operative societies and the Chambers of Agriculture togethe to the communes to supply pigs for five years at a fixed price have be refused, at least by the more important towns, for various reasons. (the one hand, there are administrative reasons, for the communes of not wish to bind themselves by a contract which they will very probable find it rather difficult to observe. On the other hand, there are ak economic reasons as the interests of the butchers have to be considered But there is yet another reason of greater importance, that is the qus tion of price. Although the prices proposed to them are 12 or 15 mark below those of the market to day, yet the communes consider them to high. In fact they calculate on a considerable fall in the present price To this, the producers reply that the prices they ask are based on the ave age for the last five years, and that, in view of the general increase in the cost of agricultural production, it is no longer possible to hope for a on siderable fall in price of the produce in the future.

Certainly, in the interest of general as well as of agricultural econom it is desirable that a full trial be made of these long term contracts supply. Such is the point of view also accepted by the Special Commit ion for the Co-operative Sale of Livestock, the Reichsverband commission expressed in the following resolution:

1. The efforts made to arrange contracts for several years' supp of butchers' meat (pork) to the communes, butchers' corporations, el deserve the warmest support, for reasons of general economy. The contracts may lead to a certain regularity of production, and, con quently, to the establishment of the price of the livestock (pigs).

2. The contracts for supply must be based on the special enga ment of the producers to supply a certain quantity of livestock. purpose it is of fundamental importance that the producers should be to deliver 1/3rd, and eventually 1/4th. of their ordinary production.

3. The large and powerful co-operative societies for the sale of lock that can count on a large quantity of livestock regularly supplied mem by their members, might directly undertake for their account apply of livestock at a fixed price and bear the risks of eventual ges in the prices. A risk of this kind, however, can only be assumed, that have an early substantial financial basis.

4. The co-operative societies that are not so strong and have less able money, can only exert an intermediate action. For the purpose, would have, as we said in No. 2, to oblige their members by special

racts to deliver a specified number of animals.

5. It is not advisable for co-operative societies, other than those he sale of livestock, to tender for contracts of this sort, even as mere mediaries, since, for the sale of livestock, experience and special knower are required such as the other societies have not. However it be, ey wish to engage in this class of business, they must take the great-precautions.

It is to be hoped that the commission appointed by the Home Office samine the conditions of the livestock and meat market will throw still e light on this highly important matter, concentrating all its eneron the study.

THE ACTION OF THE AGRICULTURAL CO-OPERATIVE SOCIETIES

IN BEHALF OF POPULAR LIFE INSURANCE.

For the reasons given in § 6, thanks to the foundation of public inance institutes and the Volksfürsorge, the extension of life insurance become a question of great present importance. The agricultural anizations have the greater interest in it as the number of persons used among the rural classes is five times less that in the towns. Dr. pp accounts for this difference by the fact that the country people a less keen intelligence, and their distrust is aroused by the excessinsisting of the agents of the private societies and above all they averse from entrusting their modest savings to societies with which y are totally unacquainted. But certainly these are not the causes, we must not overlook important reasons of a material character: leulumi industry yields less in proportion than other industries. In revenue from it is not derived from man's work only, but also from the lal permanently invested, the real estate. The farmer has, there-

his farm. Yet it cannot but be desired that life insurance should be ex-

This refers especially to the arrangement of life insurance contracts with low premiums, such as are usual in the popular insurance societies. It would be a great advantage if this branch of insurance should extend, above all for the poorer classes of the rural population not engaged in farm work This branch of popular insurance has been hitherto prevented from extend. ing itself by the private popular insurance societies already existing in which there were serious defects, for they had to bear heavy expenses to management and propaganda. It often happened that the policies were can celled on account of non-payment of the premiums, which were far too high It must be added that life insurance societies almost exclusively invested the large amounts of capital formed by the accumulation of their prem iums in mortgages on urban real estate. At the end of 1909, the existing life insurance societies had altogether a capital of 4,800,000,00 mks. Of this amount 3,700,000,000 was invested in mortgages; 089 of which were urban morigages and only I.I % rural. 52.2 % of the mortgages were on real estate in the district of Berlin alone. And the public life insurance institutes have included among the principal items of their programme the limitation of so unscientific a concentration of the capital derived from the premium, and its investment in a larger proportion in rural mortgages.

The result of all this is that more attention is being given to insurance and the foundation of the Volksfürsorge, of which we have a ready spoken, is also, to a large extent, another consequence. The elforts made to oppose to this institution an organization of popular in surance for the general advantage of all classes of the population, independent of any class interest, have already been successful. In fact a combine has been formed of the Federation of Public Life Insurance In stitutes (Verband der öffentlichen Lebensversicherungsanstalten) and se veral private life insurance societies which had previously transacte popular insurance. This combine aims at a new development of popula insurance in the interest of the insured, uniting all the scattered force without in any way limiting the independence or touching the specia characteristics of each of the adhering institutes. For this purpose it has been decided that special organizations should be instituted to serv to complete the work of popular insurance and render it more economica above all in what concerns the conditions of insurance, the tariffs, the distribution of profits, the cash business and mutual information.

The largest popular insurance institute, the Viktoria, has not ye joined the combine. The large life insurance societies which have not yet transacted small insurance or popular insurance have also remain independent of the combine. There societies, on their side, have found a special institution, the Deutsche Volksversicherungs-Aktiengesellsche (German Limited Liability Society for Popular Insurance). It is not ye possible to foresee with any degree of certainty what will be the future mutual relations of this latter organisation with the combine of which

he have spoken. There does not exist the most perfect harmony among them at present. The public popular insurance institutes reproach the private institutes with aiming chiefly at making profits, whilst the latter view the competition of the public institutes, supported by the State inthofities and the independent corporations, with no favourable eye, there, as elsewhere, competition has the good effect of exciting interest in popular insurance in a continually wider field.

The Agricultural Co-operative Societies and their Federations may very effectually aid in the development of life insurance and eventually in that of popular insurance. In fact, they unite in personal and economic rebitions more than two and a half million members and in addition extend their influence beyond their own circle. Let us remember there are millas of persons in the country, who, although not registered among the embers of the rural credit societies, none the less make use of them as yings banks. Practically, the co-operative societies may assist in the velopment of insurance by means of contracts between the federations co-operative societies and the insurance societies. The public life surance institutes have evinced the desire, which is indeed fully justed that the co-operative societies should give them the preference, nd this desire certainly, deserves to be encouraged, when we consider e character of public utility of the public institutes, and their relation ith the political and administrative authorities, the Landschaften and he Chambers of Agriculture, and finally their tendency to reserve the mounts of their premiums collected for investment in rural mortgages. let we must also consider that a large number of federations of co-opntive societies have already for many years been in the habit of making outracts of this nature with certain of the most important life insurance ocieties. In terms of these contracts, the federations and their dependat co-operative societies undertake to provide for propaganda by word f mouth and in writing, to co-operate in the preparation of contracts, notlect premiums, to pay the amounts assured and to regulate matters dispute. In return for these services, they receive a small compenstion. Some federations and a large number of loan and savings banks ave founded societies for assistance in cases of death. In most of the poperative societies these are merely charitable institutions, and the parties concerned can claim no assistance from them legally. Sometimes, gain, there are small insurance institutes that transact their business by means of the premiums paid by their members. In this case, their levelopment must inevitably, in the future, be influenced by the efforts which we have spoken, and which are having their effect. However, or the moment, it is not possible to predict with any certainty in what lirection they will develop.

6. — THE NEW LAW ON INSURANCE OF EMPLOYEES, AND OF OLD AS AND SURVIVORS' INSURANCE FOR EMPLOYEES OF CO-OPERATIVE SOCIETIES.

The Imperial Law of December 20th., 1911 on Insurance of Employees, which came into force on January 1st., 1913, will have considerable influence on the institutions organised for the purpose by the federation of co-operative societies. In consequence of the increase of agricultual co-operative societies, the number of professional employees, to whom the law applies, in the Federations, central co-operative societies and thousand of independent co-operative societies, above all of dairies, is considerable. We shall scarcely go wrong in saying that, in organised agricultual co-operation there are 20,000 employees of the Federations and societies to whom this insurance law applies. The employees of the professional co-operative societies can only consider it as an advance in the department of social politics. In fact, up to the present, for the most part, the employees of professional agricultural associations have not enjoyed to benefits of sickness and old age insurance.

The law grants to the persons insured an old age pension and persons ions for their heirs, besides, in certain definite cases, assistance in case illness, for the prevention of professional disablement. The funds for the insurance are provided by means of monthly contributions from the en ployees and the employed in equal proportion. These monthly contrib utions are in proportion to the wages received. They amount on an av erage to about 8%, but this proportion decreases when the wages are low er, for then the wage earners are at the same time subject to the regim of the general Imperial law on insurance of employers and employed The insured employee receives his old age pension on the completion of in 65th. year, or when he is recognised to be disabled; on his death the widow and children receive the pension due to them. The amount of the old age pension is fixed once for all in accordance with the amount of the employee's wages and the number of the payments made by him An employee of a federation, who, for example, at the age of 25, receiv wages at first of 2,500 marks, gradually increased to 5,000 marks, at the

age of 65, will receive a pension of 1,586 marks.

If such a pension may serve as a guarantee against extremence we cannot, however, consider it fully sufficient to ensure a tranquil of age. The co-operative federations, the central co-operative societies and the larger and more prosperous co-operative societies, have, as it we made it a point of honour to insure their employees against sickness at

lage, supplementing the minimum granted by the law. For this purse, the Imperial Federation and the Raiffeisen organisation five years of founded the Insurance Society for the Employees of the German Agritumal Co-operative Societies (I) and the Raiffeisen Pension Society (a), and before the coming into force of the law on State insurance of employs, in private businesses, the two pension societies offered the employees the federations and co-operative societies insured with them, a proessively graduated insurance against sickness and old age, while as yet legal minimum had been established. The amount assured was belessuperior to that now fixed by the law. This is because, by the law, employers contribute to the insurance of their employees 4 % of their iges, whilst the federations and co-operative societies, in their charter of employers, already pay a larger proportion to their own co-opative insurance institutes.

However, only a very small group of employees of federations and prosional associations benefited by this organisation. On July 1st., 1912, are were 333 members of the Insurance Society of the Employees of the eman Agricultural Co-operative Societies, and on July 1st., 1911 there are 299 members in the Raiffeisen Pension Society. That is to say, at most of the employees of the federations and professional co-operate societies were excluded from the benefits of these insurance establiments. The new Imperial Law on insurance of employees of private asinesses will introduce important modifications in the organisation of use two co-operative insurance institutes. We cannot yet foresee what may solve the provisions in the executive regulations. The co-operative in the of new benefits for employees who, by the insurance law, will be comelled to insure in the Imperial Insurance Institute.

These societies will also insure the employees of the co-operative cieties, who, as being in receipt of more than 5,000 marks in wages, are of compelled to insure. These are the employees engaged in the office if the management of the federations, the central co-operative societies and a large number of the most important independent co-operative societies. We may mention again that a large group of federations, central properative societies and simple co-operative societies have formed speal pension funds for their officers and employees. We cannot yet judge if the influence of the imperial law in question on this organisation.

The imperial law on the insurance of the employees in private busiesses will doubtless end in the agricultural co-operative organisations copying themselves more and more with sickness and old age insurance their employees. This is a great step forward, not only for the employ-

^[1] Versicherungskasse der deutschen landwirtschaftlichen Genossenschaftsbeamten.

⁽²⁾ Pensionskasse Raiffeisen

ees themselves, but for co-operation generally. The increasing enemion and intensity of co-operative action gives more and more important to the condition of the employees of the federations and professional of operative societies. It is therefore the more useful and necessary for the to assure themselves that their employees are satisfied with their situation and determined to devote themselves permanently to co-operation There is no need of further explanation to show how effectively and the actionsly an insurance of a sufficient sum against old age and sicknefavours this end.

BELGIUM.

E NEW OFFICIAL STATISTICS OF THE AGRICULTURAL ASSOCIATIONS IN BELGIUM.

SOURCES;

68 STATISTIQUE DE LA SITUATION DES ASSOCIATIONS D'INTERÊT AGRICOLE PENDANT L'ANNE 1910. (A Sissistical Return of the Associations in Connections with Agriculture on the Year 1910). Department of Agriculture and Public Woks, Brussels, Odry.— Mommens, 1912.

The Department of Agriculture and Public Works has recently sisked new statistics concerning Agricultural Associations (1), which the result of a special enquiry made in 1911. The data they give to the end of 1910.

As in preceding statistics, the different societies (2) are divided five categories, which are as follows:

(A) Agricultural Professional Societies (agricultural "comices" leagues, farmwomen's clubs, poultry keepers' and bee keepers' soies, livestock improvement syndicates);

(B) Societies, or Syndicates for the purchase of seeds, manures, the feeds and agricultural machines:

(C) Societies, or Syndicates for the sale of milk, the manufacture sale of butter and cheese. (co-operative dairies):

(D) Agricultural Credit Societies, (agricultural comptoirs, Raiffeilural banks, central agricultural credit banks, Schulze-Delitzsch (ks);

(E) Agricultural Insurance Societies (cattle insurance and the inance of crops).

In the present article, we shall deal with the more important data ting to associations in the first four categories. The statistics of mance societies are reserved for a future article.

(1) The last statistics published by the Department refer to 1909. They have already pad our attention. Cfr. Bulletin of the Bureau of Economic and Social Intelligence. 4, 1912, page 53.

(4) For the form and character of the Belgian agricultural associations, cfr. Buildin a Burana of Economic and Social Intelligence, December, 1910, page 39, May, 1911, h. November-December, 1911, p. 31, etc.

A. AGRICULTURAL PROFESSIONAL SOCIETIES.

On December 31st., 1910, there were in Belgium 1.775 agricultu societies and federations recognized under the Law of 31st. March, 18 on professional unions (1); they were distributed as follows:

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3 agricultural "comices";
765 agricultural leagues;
 13 farmwomen's clubs;
234 horned cattle improvement syndicates:
  3 horse improvement syndicates ;
280 goat improvement syndicates ;
  I sheep improvement syndicate;
 12 dog improvement syndicates;
  5 syndicates for the improvement of dogs for draught purposes
 85 rabbit improvement syndicates:
 22 pig improvement syndicates;
 17 beekeepers' societies;
 27 horticultural societies
  1 arboricultural society (pomology league);
 18 market gardeners' societies;
  I society for the prevention of the adulteration of butter;
  1 veterinary surgeons' society;
  I vinegrowers' society;
150 poultry keepers' societies;
  5 beetroot growers' societies;
 13 chicory growers' societies;
 12 tobacco growers' societies;,
 34 hop growers' societies;
 23 strawberry growers' societies;
  8 pea growers' societies;
  I agricultural labourers' society;
  4 provincial federations of agricultural leagues;
  I district federation of agricultural leagues;
  2 cantonal federations of agricultural leagues;
  I federation of chicory growers;
  I district federation of kitchen garden societies;
  I national federation of poultry keepers' unions;
  I regional federation of poultry keepers' unions;
  2 provincial federations of poultry keepers' unions;
  2 district federations of poultry keepers' unions;
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⁽i) On December 31st., 1910, the total number of professional unions and of recognised federations, including unions and federations other than agricultural, was a lifter the coming into force of the law of March 31st., 1898, a total of 2,689 minos federations were recognized. Of this number, 252 were no longer in existence a creater 31st., 1910.

2 district federations of homed cattle improvement syndicates. regional federation of homed cattle improvement syndicates : 3 provincial federations of goat improvement syndicates;

7 district federations of goat improvement syndicates;

2 provincial federations of pig improvement syndicates; 3 district federations of hop growers' professional unions;

I regional federation of strawberry growers' unions.

ıl 1775

I. Agricultural "comices". According to the Royal decree of 1. October, 1889, which regulates the organisation and work of the cos their object is to promote the progress of agriculture, especially means of competitions, shows and the establishment of experimental ions. And in fact, during 1910 they organised I provincial comtion, 18 district and 83 cantonal competitions. They also distribd 168,742 francs in prizes.

In the following table are given the chief data of the 161 Comices of Kingdom for the year 1910.

Province	Number of comiecs •	Memberskip.	Total entrance fees	Total expense
atwerp rabant Fest Flanders Sest Flanders lainault jiège jiubourg junenbourg	19 21 13 29 14 15 13 20	2,913 4,873 2,860 5,937 5,232 5,967 1,572 8,203 2,824	35,235 63,951 44,787 66,373 41,809 55,525 16,551 59,023 42,003	29,048 37,702 44,380 60,788 18,784 43,173 15,054 53,332 32,857
Totals	161	40,381	425,257	335,318

These societies, united according to provinces into federations called micial Agricultural Societies had in the above year 40,381 members, n average of 250 per comice.

^{2.} Agricultural Leagues. These are unions of agriculturists known ides, of which the aim is the study of agriculture and the protection

of agricultural interests. Their sphere of activity may be a market to a commune; or even several communes. Nearly all these leagues be to a cantonal, provincial, or national federation.

and In the first rank, as is well-known is the Bovenbond (Peason Reague), which has its headquarters at Louvain and has already has mentioned here (1).

Although it is the characteristic federation of Flanders, and m of its units are distributed throughout the provinces of Antwerp, bant and Limburg, its activity nevertheless, extends to the whole kingdom and it has therefore the character of a national federate Following it in importance are the Boerenbond provincial van m

Vlaanderen for the leagues of West Flanders, and the Eigenaur-Landbouwersbond van Brugge, more especially for those of the arrondment of Bruges. In addition we must also mention the Landboumbond van Oost-Vlaanderen for the leagues of East Flanders; the Fi ration agricole du Hainaut for the societies of the province of the same na the Féderation agricole de la province de Liège, the Lique agricole du L emburg and the Lique de la province de Namur.

On 31st December, 1910, the number of local agricultural leag reached 1,150. Out of these, 765 had taken the form of Professic Unions (2). These 1,150 leagues had 74,049 members, of whom 391 belonged to recognised unions.

Their distribution according to provinces is shown in the follow table:

Preservi	Leagues r Professio	ecognised as nal Unions	Lengues noi	eo recogni
Province	Number	Members	Number	Member
		<u> </u>	Ì	
Antwerp	5	416	87	7,18
Brabant.	71	5,062	35	4,12
West Flanders	115	10,213	48	3,92
Rast Flanders	65	4,932	40	5,32
Hainault	32	1,773	23	1,29
Liège	54	2,612	3	14
Limburg	15	I,353	143	12,07
Luxemburg	280	8,542	6	32
Namur	128	4:755	-	
Haravasartem, ai a Totals (1919)	765	39,658	385	34.39

⁽¹⁾ Bulletin of the Bureau of Economic and Social Intelligence, March, 1912, P. 6
(2) Bulletin of the Bureau of Economic and Social Intelligence, December, 1910, P.

is we already know, the chief work of the leagues is in the field of eration and mutual aid. The Boerengilde, in fact, never appears r as a professional union but is always at the same time, itself operative or mutual aid society for the benefit of its members. mily, as a first step, a section is formed for the common purchase materials, this section then often placing itself in connection with arresponding sections of other associations for the purpose of uniting any orders for goods as possible. Such is the origin of the Central basing Bureaus, organised with the support of the federal committees leagues, which, owing to the large scale on which their operations anducted, deal directly with the producers, or the wholesale merch-Thus, for example, the purchasing sections of the leagues afat to the Louvain Boerenbond are in connection with an annexed al counting-house (comptoir central) from which they obtain their This comptoir is a co-operative distributive society, under om of a limited liability company with a capital of 217,000 francs. s a warehouse at Antwerp and a branch establishment at Hasselt. very closely connected with the large federation, many adminisis of the latter taking part in the management of the comptoir. theless, it only undertakes the commissions of the purchase secof those leagues, which are affiliated to the Boerenbond, and its s are so distributed that these leagues enjoy their own profits. With the exception of the Landbouwsyndikaat van Brugge, a purchase ty for the members of the Eigenaars- en landbouwers van Brugge, his a share society, the purchase societies instituted by the proal federations of the leagues, are co-operative in form and transact less either with the local sections or with a third party. Naturally ocal sections are their principal clients and it is to them that the terpart of the profits is returned, which the co-operative warehouses ibute every year among their clients in proportion to the purchases e by them. The purchase society of the Landbouwersbond van Oostmderen is known under the name of the Syndikaat van den Landbouwmd and has its chief offices at Ghent. That of the Hainault Agrimal Federation bears the name of Les cultivateurs du Hainaut. headquarters are at Enghien. The purchasing sections of the agrimal federation of the province of Liège are specially supplied by the lical agricole liégois of Liège; those of the Luxemburg league by the heate, Les agriculteurs Luxembourgois d'Arlon, while the purchasing lons of the agricultural league of the province of Namur are connected

This does not, however, represent the whole work of the leagues. y are occupied with questions of agricultural credit, and insurance ast agricultural risks, and they also encourage the formation of syn-

the Ermeton-sur-Biert co-operative society (1).

⁽i) There is also a section for the purchase of agricultural machinery and dairy amered to the purchasing bureaus of the Louvain Boerenbond, the Hainaut Agrind Federation and the Luxemburg League.

dicates for cattle breeding, poultry rearing and beckeeping. They discuss the principles of agricultural science, by means of fectures and cones of instruction, as well as through the medium of the publications their federations. They act as technical and legal consultation bursafor the members and deal with questions concerning the employment of labourers (1).

3. Farmwomen's Clubs. The object of these associations, who date from 1906, is, as is well-known, the training of good mothers at housewives. This they try to accomplish by means of small circulate libraries, lectures, visits to model farms and the organisation of agricultural shows and competitions.

The following figures show the development of these institution

from their commencement.

of clubs	Membership	Number of lectures	Number of the audies
2	115	4	90
14	1,961	60	3,323
41	4,466	129	8,632
65	6,162	212	12,447
74	6,929	232	14,290
	2 14 41 65	2 115 14 1,961 41 4,466 65 6,162	2 115 4 14 1,961 60 41 4,466 129 65 6,162 212

The periodical, "La Fermière," which is published by the can't of Lenze (Hainault) makes their work known.

4. Beekeepers' Societies. On 31st. December, 1900, there were the Kingdom 196 beekeepers' societies, with 5,296 members, i. e. an ave age of 26 members per society. These are also organised in federation Under the auspices of the latter and with their co-operation, 411 lectum on bee-keeping have been delivered in 216 centres during the year. The Chambre syndicale d'apiculture, a recognised professional union, which has its headquarters at Brussels, is chiefly composed of the delegat of the different federations (2). It constitutes a national committed for the development and promotion of the interests of bee-keepers. T

⁽¹⁾ On 31st December, 1910, in the leagues which are recognized as professional unitaries, were 6,457 labourers out of the 30,438 members.

⁽²⁾ On 31st. December, 1909, there were 8 of these, viz: the Societé apicole de la Cami with 21 sections; the Fédération apicole du Brabant with 36, the Union apicole du Brabant with 36, the Union apicole du Brabant with 21; the Fédération apicole du Hainand with 41; the Fédération apicole Condros-Hesbay with 22; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bassin de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Bratant de la Mense with 36; the Societé d'apiculture du Brat

mbution of these societies is as follows: Brabant 45; Namur 32; perp 23; Hainault 21; East Flanders 20; Luxemburg 19; West oders 18; Liège 12; Limburg 6.

5. Poultry Keepers' Societies. Of these there were 154 at the end 1910, the total number of members was 7,493, or an average of 48 society. They are distributed as follows: Brabant 47; Luxemburg Hainault 19; East Flanders 17; West Flanders 14; Liège 8; Antp 6; Limburg 5; Namur 5. Of these societies, 46 are affiliated to National Federation of Belgian Poultry Keepers' Societies; 21 are inted to the Ornithological League for the protection of useful birds the advancement of avicultural science; 15 constitute the National eration of the professional avicultural unions; and 32 societies of arrondissements of Brussels are united in the Poultry Keepers' eration of the same arrondissement.

Among the new departures made during the year by the National eration, the revision of the standards of the native poultry must not longotten. The various associations have, further, organised 339 mes in 113 centres.

6. Horned Cattle Improvement Syndicates. On December 31st., there were 502 cattle-breeding societies. They included 20,247 there owning 64,106 registered animals. They were distributed aghout the different provinces as follows: Fast Flanders 153; Bra-138; West Flanders 109; Luxemburg 24; Namur 21; Antwerp Limburg 15; Hainault 14; Liège 10. In order to obtain as much unity of action as possible, the syndicates last Flanders and those of the provinces of Antwerp, Limburg, emburg and Namur have united into provincial federations. Furthe Federation of the Herdbooks of Fast Belgium, at Verviers, the Federation of the Ardennes-Liégois Herdbooks at Spa, include ectively four and three societies of the Province of Liège. The maions of the cattle improvement syndicates of the arrondissels of Brussels and Nivelles direct the work of most of the societies in respective arrondissements.

The Federation of the cattle improvement syndicates of Brabant des 16 societies belonging to different parts of the province. In dision should be mentioned the federations: Verbond der Verbonden (Pain) and Provinciaal Verbond van Verbonden (Roulers).

7. Goat, Rabbit, and Pig Improvement Syndicates. At the date dyreferred to several times, the number of the first was 491, of which were in West Flanders, 204 in East Flanders, 41 in the province of ep. 23 in Brabant, 6 in the province of Limburg, 2 in that of Namur 1 in the province of Hainault and in that of Luxemburg. In all, include 46,084 members owning 54,976 registered annuals.

The societies of West Blanders are affiliated to four regional bland times with their headquarters at Courtrai, Brussels, Dixmude, a Cortemarck. The majority of the East Flanders societies are groun into five federations operating in the districts of Alost, Andenarde, is monde, Saint-Nicholas and Ghent. Nearly all the Brabant syndical have their headquarters in the Brussels district and form part of a lede ation, which has its seat at the Secretariat des œuvres sociales that district. Finally, the syndicates of the province of Antwerp a affiliated to three federations, embracing respectively the districts of Am werp, Thurnhout, and Malines.

We must note also in Flanders the existence of 39 syndicates in rabbit improvement with an aggregate membership of 1,170. The is also one syndicate for pig improvement at Caeskerke in West Flanden while seven are established in East Flanders, nine in the district of Rus

sels etc.

8. Hop Growers' Syndicates. These associations which da from 1903 have contributed greatly to the improvement of hop growing They exert their influence by means of lectures of a technical chan ter, experiment farms, visits to model hop gardens, auction marketset At the end of 1910, there wee 38 such associations, viz.: 21 in Brabar 10 in East Flanders, and 7 in West Flanders. Their membership h reached 2,194 cultivating 1,129 hectares of hops.

Twenty one of these syndicates are affiliated to a federation have its seat at the Secrétariat des œuvres sociales of the district of Brussel

9. Beetroot Growers' Syndicates. At the same date, there wer 152 syndicates in existence for the determination of the weight, ta and density of the beetroots sent to the refineries or factories. In the province of Hainault, a certain number of these syndicates also purchas their seed in common.

These 152 societies, which are chiefly in the provinces of Hainan and Limburg, there being 104 in the first and 22 in the second, have total of 6,651 members. The value of the sugar beet under their contr

in 1910 amounted to 7,743,088 francs.

The syndicates of Hainault are united in three federations, whi have taken the legal form of professional unions. The progress of su associations is clearly seen when it is realized that at the end of 19 they numbered only 85, and the value of the sugar beet under their α trol did not exceed 5,556,850 francs.

B. SOCIETIES FOR THE PURCHASE OF SEEDS, MANURES, CATTLE FEE AND AGRICULTURAL MACHINERY.

To the statistics with which we are dealing 1,237 associations of t kind are recorded for 1910. Among these, in addition to the syndica properly so-called, which are constituted as co-operative societies, III law of 18th. May, 1873, on commercial societies, there must also be sted the purchasing sections of the above-mentioned agricultural los and leagues.

The 1,237 societies mentioned are distributed as folllows among the ment provinces: Luxemburg 272; Brabant 172; West Flanders 169; burg 149; Namur 142; Hainault 105; Antwerp 103; Liège 71; Flanders 54. Their members numbered 73,951 and their total puring during the year amounted to 18,001,693 francs, divided as follows:

 Seed
 335,249 francs

 Fertilisers
 6,309,292 ,

 Cattle feeds
 11,060,885 ,

 Machines
 229,089 ,

 Other purchases
 337,178 ,

At the close of 1909, there were 1,123 purchasing societies and secwith a total of 70,218 members and an expenditure of 17,944,382

SOCIETIES FOR THE SALE OF MILE, AND THE MANUFACTURE OR SALE OF BUTTER AND CHEESE.

In 1910, 32 co-operative dairies were established bringing the number 0 658, as there were 626 in 1909. Of these, 556 are in working order ng 57,400 members, or an average of 103 per society. These memown 162,850 cows, an average of 2.9 per member.

The dairies in working order are distributed as follows: Limburg; Luxemburg 120; Brabant 66, East Flanders 62; Antwerp 61; e45; West Flanders 31; Hainault 23; Namur 9. In the course of year, they effected the following sales:

Milk							283,325 i	
Butter							39,075,605	,,
Cheese							36,580	,,
Other p	TO	du	ce				398,216	,,

Total 39,793,726 francs

iverage of 71,571 francs per society, and 693 francs per member.

D. AGRICULTURAL CREDIT SOCIETIES.

As is well-known, the Belgian credit societies are of two types: indical comptoirs and local co-operative societies based on unlim-

1. Agricultural "Comptoirs". The Law of 15th. April, 1884 authorthe General Savings Bank to make loans to agriculturists from a
tion of its funds through the medium of the said comptoirs. The
ter are councils composed of not less than three persons competent
lenculture and united by contract into a society with collective title.

They undertake to fix the limit to which borrowers may be granted on it and to guarantee their solvency, in addition to supervising the correct business and prosecuting defaulting debtors. They are jointly a sponsible, and receive from the institution, which furnishes funds, a composite of their guarantee or security. In computers act as intermediaries between the bank and the borrowers.

Since 1884, 19 such comptoirs have been established, but as have been dissolved, there remain only 16. The number of current low effected through them was 4,080 on December 31st., 1910 and the tot sum advanced was 13,785,731 francs.

In 1910, 786 loans had been made of which the total amounted 2,927,045 francs.

2. Rural Banks. The institutions of the second type are the Rai feisen rural banks coming under the Law of 18th. May, 1873, on commerce societies. Statistics give the data for 538 banks, divided according provinces as follows: Luxemburg 136; Brabant 93; Hainault 84; We Flanders 54; Antwerp 49; Limburg 48; Liège 37; East Flanders 24 Namur 13. By virtue of the law of the 21st. June 1894, the Gener Savings Bank facilitates operations by opening for them credit account guaranteed by the Central Banks, which are limited liability societies At the end of 1910, there were 7 of them, the most important being that of the Boerenbond. But the raral banks only draw to a slight extent upon the funds placed at their disposal by the Savings Barl In conducting their operations, they depend almost entirely upon the own funds and those of their federations. In fact, on the 31st. December 1910, there were 218 banks having credit accounts to the amount 906,582 francs at the above-mentioned institution. So far, they had on drawn upon these to the extent of 241,366 francs. On the other ham the 7 central banks and 258 local banks, had at the same date deposite in the general bank the sum of 5,797,826 francs, either on current accom or as savings deposits. The loans made in 1910 by the 538 banks, while replied to the enquiry of the Minister, amounted to 4,043, represents the sum of 4,051,230 francs, distributed as follows:

Loans of	less than 250 francs	1,246 for	286,680 francs
	from 251 to 500 francs	997 ,,	469,690 ,,
	from 501 to 1,000 ,,	778 ,,	696,860 ,,
	1,001 and over	1,022 ,,	2,598,000 ,,

Of these loans, 197 were guaranteed by preference mortgage, 2 by mortgages, 157 by pledge, 24 by life insurances and 3,402 by securit We also give the following general data concerning the 538 bar to which the above figures refer:

to which the above figures refer:

Number of members on 31st. December, 1910:

Agriculturists 21,892 Other persons 5,442

3,164,556
886,674
8,361,645
1,639,754
1,103,839
10,955,072
22,912,282
469,160
81,122

The position of the 7 central banks on 31st. December, 1910 was as OWS:

Head quaters f the Central Banks	Number of affiliated local banks.	Number of credit ac- counts guaranteed by the central banks opened with the Gene- ral Bank (outstanding on Dec. 318t., 1910)	Total of credit accounts opened francs	Number of credit ac- counts granted directly by the central banks, outstanding on Dec. 3184, (1910)	Total of these credit accounts opened francs	Total of sums deposited by the local banks with the central banks. (31st,, Dec., 1910)	Amount of Reserve Fund
ouvain (r)	304	56	19 5,900	334	2 618 400	11,529,518	29,941
ige	34	1 .	158,900		37,200		1,822
hehien	81	48	246,186		43,000		
ilon	110		255,400	1	_		3, 6 58
ruges	27			8	42,275	318,255	2,935
menton-s-Biert	12	6	25,600	_	-	320	503
ivry	11	9	38,996		_	402,8 21	205
Total	579	236	920,982	359	2,740,875	12,390,277	39,064

In 1910 this section had made 136 land loans amounting to 559,245 francs.

In order to complete the list of agricultural credit matitudous in gium, it is necessary finally to mention two popular banks of the Schul-Delitzsch type, those of Goe-Limburg and Argenteau, which make loans scipally to agriculturists, and may thus be considered as agriculal banks. In 1910, the Goe-Limburg bank carried out no transactions, the Argenteau bank, on the other hand, advanced 43 loans of which total amount was 56,415 francs.

FRANCE.

AGRICULTURAL CO-OPERATION IN FRANCE

We have received from the French Government the following article, which we insert without alteration.

GENERAL INTRODUCTION.

Agricultural co-operation of late years has made such rapid progress that economists in every country have endeavoured to define with precision the nature and significance of a social movement which, before their own eyes, we may say, has effected a rapid and radical change in the organisation of rural life.

The International Institute of Agriculture has been well advised in taking into consideration this problem, the solution of which demands methodical and careful study of the co-operative movement in agriculture. We must recognise the value of the economic distinction adopted by the Institute which separates co-operative societies (that is those societies whose object is provision for the economic needs of their members through the creation of common funds of capital and labour or through some system of mutual obligation) from other forms of or ganisation.

In France, however, this distinction alone does not seem sufficient to enable us to give a clear definition of agricultural co-operation as it is found spread over the whole country. On a closer analysis it becomes evident that the distinction has been based only on the professional position of those operating. Thus an essential element has been neglected in not taking into account the special aim of all agricultural co-operative societies, which directly or indirectly, must always be the promotion of agricultural production. Neglect of this must inevitably create confusion between agricultural co-operative societies and the other groups which, though list them composed exclusively of agriculturists and even adopting a co-operative form, cannot be considered as purely agricultural. These societies work in the interest of their own members, not so much as agricultural

ts, but as consumers and in other characters apart from their prosional one. Certain societies, those for instance for the purchase on dvantageous terms of food, clothing, and other supplies for their embers, might, without acting contrary to the purpose of their opera-

ous, include many who are not agriculturists.

Widening our view by taking into consideration this underlying m of agricultural production and noting the important principle of sidarity which in greater or lesser degree unites the members of an incultural co-operative society in mutual liability, a clear definition of he conception and role of agricultural co-operative societies has been tempted in France. These societies, notwithstanding the differences form and the varying degrees in which they present their essential baracteristics, it seems possible to divide into four principal categories:

Ist. Co-operative purchasing societies, generally called syndicates; and Co-operative insurance societies:

3nd. Co-operative credit societies:

4th. Co-operative societies for production, adaptation, preservation $_{\rm ld}$ sale.

If we begin our study of the agricultural co-operative movement in rance with the consideration of the fourth class, we shall find a new ctor of great importance to its development and more generally to the hole of French co-operation. This factor is the Law of Oct. 29th., 1906, pplemented by the administrative order of August 26th., 1907, which the first time in French legislation, determined the characteristics of operative agricultural societies. Although thus recent, this law is in I force, and we may expect a continuation of the good results of action during the few years of its existence. What these results are, shall here try to show.

A. — CO-OPERATIVE SOCIETIES FOR PRODUCTION, ADAPTATION, PRESERVATION AND SALE.

Agricultural co-operation originated in France at an early period; it said that even in the 12th. century, there were fruit-growing and exe-producing co-operative societies. In agriculture, as in other trades, operation has long existed with very different objects. But in the ench law there is no special statute to regulate societies called operative or to frame their organisation. A bill on the subject pass-the Chamber of Deputies but the Senate suspended the discussion 1896 and it was never resumed.

At present co-operative agricultural societies are subject to the muon law regarding societies. They are regulated either by articles 32 to 1,873 of the Civil Code, or by the Commercial Code and the ws of July 24th., 1867 and of August 1st., 1893. They vary as to it legal form, the prevailing forms being that of civil societies and

that of limited liability companies, with variable capital. The first of these, has the advantage of requiring few formalities for the constitution of the society and of leaving to its members the greatest amount of liberty for drawing up its rules and organising its administration of the other hand, every member is responsible to the extent of his property for the obligations of the society and from this nothing can absolve him except a thirty years' limitation. Limited liability companies with variable capital are, on the contrary, subject to exact an minute regulations as regards their constitution and administration. It is necessary to protect the rights of the third party, for the members are responsible for the debts of the company only up to the amount of their shares.

Under the common law, peasants have constituted many co-operative societies for the adaptation and sale of their produce. They must adjust themselves to the new conditions of modern cultivation and small cultivators must perfect their methods of working to meet the scarcity of labour and to find markets for their crops, if necessary even at long distances. Under these circumstances agriculturists can be longer stand alone but must seek in association the most effective means of overcoming their difficulties.

At present the number of co-operative agricultural societies in production, preservation, adaptation and sale may be calculated approximately at more than 2,600, including about 1,800 societies for the sale of fruit, 500 dairies, 80 societies for the manufacture or sale of wind and for distilling, 20 oil factories, 40 starch factories, threshing societies, etc. These societies, being freely constituted by private initiative, it is not easy to obtain precise information as to their modes of working and the advantages they offer to their members, but their number at least indicates the spread of the co-operative idea in the rural world.

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So important a movement could not but attract the attention of the public authorities, and a law for its protection and guidance we passed on Dec. 29th., 1906. This law purports to be a mere addition the Law of March 31st., 1899, which established the Regional Agricultum Co-operative Credit Banks, and enabled them to obtain, by way advances free of interest the advance of 40 million francs and the annuluses paid into the Treasury by the Bank of France in virtue of the law of Nov. 17th., 1897. By the law of Dec. 29th., 1906 the Governmentary "deduct from the annual dues and forward gratuitously to the Regional Banks special advances intended for the co-operative agricultural societies and repayable within 25 years." These advances must be a special advances intended for the co-operative agricultural societies and repayable within 25 years." These advances must be a special advances in the special advances must be a special advances in the special advances and repayable within 25 years." These advances must be a special advances in the Regional Banks shall receive from the Regional Banks shall receive from the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the special advances in the Regional Banks shall receive from the special advances in the Regional Regional Agriculture and the special advances in the Regional Agriculture and the Regional Agriculture and the Regional Agricultu

noemtive agricultural societies on the advances made through them, interest fixed by them and approved by the Government after informm received from the Commission referred to in art. 5." According art. 4, "only those co-operative agricultural societies which are mosed of the whole or a part of the members of one or more prosimal agricultural syndicates may receive advances, whatever may be if legal form. Such advances must be made with a view to effect or hadilitate transactions concerning the production, adaptation, preservaor sale of agricultural produce coming exclusively from farms longing to members, or concerning the carrying out of agricultural works the general good, but the aim of the society must not be commercial mantage." Another article determines the composition of the Consultive Committee for the division of the funds advanced and article 6 the maximum of these advances at double the amount of the paid mital of the co-operative societies which contract the loar. these are the provisions of the law of 1906, the construction of his very simple, so that it is easy to ascertain the essential prinwhich have inspired the legislature. Of these the first is that ocieties desiring to benefit by the law must be strictly professional aracter, and must be exclusively recruited from among members ricultural syndicates. Another is the granting of assistance and magement to private initiative while stimulating it to further t. The law grants advances to be repaid by a certain date, and gatuitous assistance. To furnish capital at a low rate to co-opis is to supply them with the means of carrying on genuine under-1gs. But they must not forget that the society can only carry on mable and profitable undertakings which result in lasting work he benefit of the members and permit of the due repayment to the State he sum borrowed in order that it may serve for a new enterprise. feature of the law is emphasized by the provision which fixes the of the amount advanced to that of the capital paid by the members. is to say, to the personal effort that they have made. But the slature, while appropriating to professional groups sums belonging the community was not encouraging collective self-seeking, nor ing legitimate interests. It showed clearly that the co-operative eties which borrow should not do so for gain nor should they accept produce except that sent from farms belonging to members. It has stally indicated the spirit of the law by stipulating that those benemust make it their object to facilitate the production, adaptation, servation, and sale of agricultural produce, or the carrying out of is of general utility. It thus encourages a branch of national ustry, increases agricultural production, and contributes to the protity of the country. Finally this law leaves to agricultural co-operaesocieties that apply for a loan the right of choosing as hitherto it legal form, thus providing safeguards for private initiative while plying means for effective action.

It need hardly be said that the liberty of co-operative societies which advances have been made, is not left uncontrolled. The decorporation of August 26th., 1907, has defined with precision the guarantee requirements of the State from societies which contract loans: the shares must be the State from societies which contract loans: the shares must held in the members' own names, must be reserved for agricultural and must not bear interest higher than 4%; the members, or at a some of the members of the committee, must conjointly be answer for engagements undertaken by the society towards the State: morty must be registered for the benefit of the State on real property purch or re-organised with the sum advanced. The loan is also guarant by the intermediary Regional Bank and the accounts and the man by the intermediary Regional Bank and the accounts and the man ment of the co-operative society are placed under the control of Ministry of Agriculture.

The law of 1906 supplemented by articles 25 and 31 of the finan law of 8th. April 1910, by which agricultural co-operative societies exempted from the tax on personal property and from licensing exercises on agricultural co-operation a vast and daily increasing fluence. The peasants were not slow to understand the immense vantage which they would derive from these concessions offered by State to agriculture, and it may safely be stated that the transforms of cultivation in France is in great part due to the law of 1906, application of which is becoming more widely extended. In 1908, 23 cieties obtained loans; 43 in 1909; 73 in 1910; 78 in 1911; 105 in 1 In 1908 the loans amounted to 964,325 francs; in 1909 to 1,157,250 fra in 1910 to 2,284,265 francs; in 1911 to 2,364,280 francs, and in 1 to 2,689,014 fr. At the close of 1912, 293 co-operative societies benefited at least once by the Law. These loans have been granted societies with widely differing aims, and the Law has been exten to every kind of co-operation to which it could be applied. It is a cially interesting to see the work accomplished by this law in e branch of agriculture, and to judge of its results, whether in rene the activity of old societies by supplying them with the mean adapting themselves to the conditions of modern production, in rev languishing societies, or in facilitating the creation of new societies shall assure to the cultivators the benefits of the recent improve in agricultural implements.

We shall show by a series of tables, with comments where a sary, the results of the law of 1906 on the various forms of agricul co-operatives of production, preservation, adaptation and sale.

I. - SOCIETIES FOR THE EMPLOYMEN OF AGRICULTURAL MACHINER

The law of 1906 has probably had most effect in encouraging formation of societies for the employment of agricultural machine Perhaps it is not too much to say that it is only through this law such societies have arisen in France, and this is not surprising.

arise, it is true, where producers are driven to form them upon in of losing the entire fruits of their labour if they neglect to do so. at on the other hand, the benefits derived from them are often less ident and more remote. Without speaking of the force of habit, it mst be admitted that the cultivator has not a clear notion of the the of time or labour. It needed the increase in wages paid to agrithurs labourers and, above all, the scarcity of labour to make the imstance of machinery in the cultivation of small holdings evident to repeasant. Every member of these societies had also to learn to gulate his work in accordance with that of his fellow-members, and realise that the necessary machinery is not exclusively for his own e. To prepare the way for the establishment of co-operative societies machinery, disinclination and established customs had to be overme in the peasant before the idea of combination took root in his ind. Another difficulty also had to be met; it had reference not only the distribution of profit or loss in connection with sales effected in mmon, but also to the outlay of capital in the purchase of machines not t proved or well understood, and viewed therefore with suspicion by R average peasant. To train these cultivators, it was indispensable to quire them at the beginning to disburse large sums, at the same time ving them every assurance that the public authorities were so fully assuaded of the advantages and profit to be derived from the use of achinery in agriculture, that the State was prepared to grant credit on the sults. The first step thus taken, the co-operative societies for the use of achinery rapidly increased in number and these establishments, small first, now rival the larger in the possession of traction-engines, of reshing-machines, winnowers, elevators, feeders, propellers, sowers, sters, reapers, feeders, manure-spreaders, corn-sifters, husk-separators, ck-fillers, binders and other machines.

As the following tables show, all the societies for the employment agicultural machinery which have received loans have been constited since the promulgation of the Law. In 1909 ten had obtained ans, and in 1912, forty-five. The sum of these loans amounted 1273,742 francs. Such results are creditable to the legislature of 1906, suring as they do to French agriculture the certainty of continuous logness.

		-		
with artification of the Society	Date	Duration	Porm	Paid
14.3 mile of the 12.2 mile of 1	of establishment		· U* -	CEDIM
	 			
		A 44 A 44 A		Prance
. La Fraternelle ». Aigrefenille				
(Charente-Inferieure)	18 April 1909	15 years	civil	4.80ba
Alairac Co-op. Soc. (Aude)	II March 1010	unlimited	commercial	
Appoigny Co-op. Soc. (Youne).	17 March 1912	15 years	civil	4,760 2,700
Reaumesnil Co-operative Soc.	27	-3.		2,700
(Eure).	3 July 1911	20 years	civil	3,500
Beaurepaire Co-operative Soc.				.373**
(Isère)	5 August 1908	I5 years	civil	4,500
Boisragon Co-op. Soc. (Deux-	,			,,,,
Sevres)	12 April 1911	12 years	civil	3,000
Bordes Co-op. Soc. (Yonne)	7 July 1912	15 years	civi1	3,200
Cadonin Co-operat. Soc, (Dor-		-		
dogne)	9 May 1909	25 years	civil	3,000
Castet-Arrouy Co-operat. Soc.	Ì			
(Gers)	23 July 1911	20 years	civil	2,200
Chauray Co-oper. Soc. (Deux-	1			
Sèvres)	15 August 1909	20 years	civil	4,650
Chavagné Co-op. Soc. (Deux-				
Sévres)	18 June 1911	15 years	civil	3,400
Cheny Co-op. Soc. (Yonne)	28 November 1908	25 years	civii	3,600
Corvées and Bois-le-Roi Co-op.				1
Soc., Vernouillet «La Frater-	1st December 1910	99 years	civil	840
nelle », Douces (Eure-et-Loir)	1- December 1910	yy years	CIVII	
La Fraternelle , Douces (Maine-	2 August 1910	30 years	civil	500
et-Loire)	_ magasic 1910	30 7		'
Dreux-Sud Co op. Soc. (Eure- et-Loire)	21 September 1910	og years	commercial	580
L'Enclave de la Martinière Co-	2. Depter	, , ,		1
operative Soc. (Deux-Sèvres).	10 July 1908	IO years	civil	3,950
Forges d'Aunis Co-oper, Soc.	1			
(Charente-Inférieure)	17 May 1908	15 years	eivil	4,800
Union de Gript Co-op. Soc	5 May 1911	10 years	civil	4,600
Marville-les-Bois Co-oper. Soc.	1			1
(Eure-et-Loir).	17 March 1912	99 years	commercia	650
Haute-Loire au Puy Co-opera-		1		1 ***
tive Soc	2 January 1909	25 years	civil	10,000
Issigenc Co-operative Soc. (Dor-	-	_		4,06
dogne)		8 25 years	civil	1 '
Jasseron Co-op. Soc. (Ain)	2 June 1910	unlimited	eivi1	2,10
Laurière Co-op. Soc. (Haute-			. ,,	2,20
Vienne)	12 July 1908	25 years	civil	
				. 77.59
à Reporter				. 1100
H	1	1	1	

i vatican			S	oans grac	nted			Intermediary
under cultivation	1908	1909	1910	1911	1912	Period	Rate of Interest	Regional Banks
!			- 1			ans	1	
10	,	*	8,500			Io	2%	Charente-Inférieure,
66	,	*		8,000	>	8	2%	Toulouse.
/6	,	,	,	۰	5,4∞	10	2%	Youne.
57	,	•	•	3	6,500	10	2%	Eure.
00	,	9,000	*	*	,	ţo	2%	Dauphine.
57	,	,	3 .		6,000	10	2%	Deux-Sèvres.
03	,	•	• .	B	6,400	10	2%	Yonne.
72	1	6,000		,	>	10	2 %	Dordogne.
79	•			n	4,4 0 0	10	2 %	Gers.
03	•	,	6,572	,	2,5 0 0	8	2%	Deux-Sèvres.
20	2	,	,	3 1	6,800	10	2 %	Deux-Sévres.
54	ď	6,840	,	,	•	to	2 %	Yonne.
00	,	•		1,000	ъ .	5	2%	Beauce-et-Perche.
80	,	•		1,000	b	10	2%	Maine-et-Loire.
54	,	,	,	760	400	10	2 %	Beauce-et-Perche,
00	,	7,350	,	•	,	9	2 %	Deux-Sevres.
12	,		9,000	•	,	10	2 %	Charente-Inférieure.
49	•	•	•	9,200	,	10	2%	Deux-Sèvres.
87	3	•	*	•	1,300	10	2 %	Beance-et-Perche.
00	3	8,500	11,500		,	15	1,50	Haute-Loire.
00	,	8,000	,		,	10	2%	Dordogne,
00	,		4,200	*	•	10	2%	Ain.
50	•	4,400	•	*		10	2%	Haute-Vienne.
29	,	50,090	39,772	0.00	39,700			

Name of the Society	Date of establishment	Duration of agreement	Porm	# - W
				-
Brancht forward	·			1
Brought forward Levis Co-op. Soc. (Youne)	2 April 1911	15 years	nimit	77.
Longwy sur Doubs Co-op Soc.	2 April 1911	15 70115	civil	2,
(Jura)	30 April 1911	10 years	civil	2,
Monthoiron Co-operative Soc. (Vienne)	Ier May 1909	25 years	civii	١.
La Parançaise Parançay (Cha-		-3.		2,
rente-Inférieure)	2 July 1911	15 years	civil	4
Prousis Co-op. Soc. (Eure-et-				7
Loir)	23 May 1911	99 years	commercia)	İ
Quenne Coop. Soc. (Yonne)	15 April 1909	25 years	civil .	I,
Saint-Césaire-lès-Nîmes Co-op, Soc. Gard)	4 December 1910	30 years	civil	6,
Saint-Georges-les Baillargeaux Co-op. Soc. (Vienne)	,	25 years	civil	4
Saint-Loup La Saintongeaise			}	}
Co-operative Soc. (Charente- Inférieure)	22 June 1912	15 years	civil	5,
Saint-Martin-le-Vinoux Co-op. Soc. (Isère)	10 March 1912	20 years	civil	à
Saint-Maxire Co-operative Soc. (Deux-Sèvres)	16 May 1910	IO years	civil	2,
Saint - Use Co operative Soc.				
(Drôme)	25 April 1909	15 years	civil	į į
Thiré Co-operative Soc. (Véndée)	2 May 1909	unlimited	civil	5
Tremblay-le-Vicomte Co-op, Soc. (Bure-et-Loir)	3 March 1912	99 years	commercia!	!
Treen Co-operative Soc. (Eure-et-	va Pohenom som	00 7000	commercial	1
Loire)	12 February 1911	99 years	- Ammercan	Į
Vallères Co-operative Soc. (Indre- et-Loir)	25 July 1911	25 years	civil	3
Vendeuvre Co-operative Soc. (Vienne)	7 May 1911	30 years	civil	3
Villemain Co-op. Soc. (Deux-	an 10mmt 70	TE 1760#P	civil	4.
Sèvres)	20 Aûgust 1911	15 years 18 years	civil	2,
Villemer Co-op, Soc. (Youne) . Voulx Co-operative Soc. (Scine-et-	31 January 1910	to legra		
Marne)	30 April 1911	20 years	civil	3,
Vouneuil-sous-Biard Co-op. Soc. (Vienne)	5 May 1910	25 years	ci vi l	#
Watten Co-op. Soc. (Nord)		10 years	civil	3
	200 7000 2909	22,1		
TOTAL				145

_	_							
			Ļ	mana grant	ed			Intermediary
-	1908	1909	1910	1911	1912	Period	Rate of interest	Regional Banks
-						Ans	Ī	
			20 872	19,960	20.700			
		50,090	39,772	3,600	39,700	10	2%	Yonne
	,		-	3,500	- 1	10	- 70	TOURC
	,	,	*	W	3,000	10	1.50 %	Jura
	,	5,000	,			Io	2%	Vienne
	•	٠.		}			'	
		*	*	•	9,000	10	2%	Charente-Inférieure
	,	×	,	•	1,350	5	2 %	Beauce-et-Perche
	,	3,400	•	•	*	10	2 %	Youne
	,	,	,	•	12,000	10	2%	Gard
	,	,		'n	7,500	10	2%	Vienne
1		'						
	1	•	Þ	•	10,400	ΙO	2%	Charente-Inférieure
	•	D	•	2	4,500	10	2 %	Dauphiné
-	•	,	,	5,350	>	10	2%	Deux-Sévres
-	,	,	3,500	,	30	10	2%	D rôm e
	,	a	10,600			IO	2%	Vendée
	,	,	,	,	1,300	10	2%	Beauce-et-Perche
i	,	•		440		5	2 %	Beauce-et-Perche
-	,	,	,	,	6,000	IO	2 %	Indre-et-Loire
	1	,			5,000	10	2 %	Vi e nne
	,	,			8,000	10	2%	Deux-Sévres
۱	>	,	,	5,680	3,000	10	2%	Yonne
-				3,270			1	
-	,	,	»	•	6,000	10	2 %	Scine-et-Oise
1	3				6,000	10	2 %	Vienne
	•	•	6,600	,	,	10	2 %	Lille
	,	65,090	59.552	35,350	113,750			

(Tabl continued).

SWITZERLAND.

THE ENQUIRY OF THE SWISS PEASANTS' SECRETARIAT IN THE AGRICULTURAL ASSOCIATIONS OF SWITZERLAN (Continued).

SOURCE:

ENQUÊTE SUR L'ETAT DE L'ASSOCIATION DANS L'AGRICULTURE SUISSE au 1^{et} Janvier 191 Exposé du Secrétariat suisse des Paysans. (Enquiry into the Condition of Association Suries Agriculture on January 1st, 1910, Report of the Suries Peasants' Secularion Berne, K. J. Wyss, 1912.

§ 3. Co-operative agricultural societies or syndicates (I).

In the first part of this article we spoke of the Swiss Societies Agriculture and the Agricultural Associations: we have now to speak the second group of associations considered in the Enquiry of the Paants' Secretariat, that, the Agricultural Co-operative Societies, known more usually under the name of Syndicates.

Article 678 of the Federal Personal Law Code includes under the head of co-operative societies any union of persons which, while not forming a society of collective title or a society on commandite, or society limited by shares or a society on commandite limited by shares has a collective economic or financial object. These co-operative society must have their rules signed by at least 7 members, and in order to obtain civil personality they must be registered in the commercial register.

These societies, therefore, in the first place, aim at obtaining & nomic advantages for their members and in this respect they different the agricultural associations: it is, however, true, as we have is occasion to observe in the first part of this article, that even these latters are the second of the secon

^{&#}x27; (1) For the first part, see Bulletin of Economic and Social Intelligence, March, 19

y present advantages of an economic character, but these are also ped by third parties. In practice, however, the differences disappear: locations and syndicates to day resemble each other.

These latter aim as we know at various and often manifold objects, but a strict classification based on economic ends, is very difficult. organizers of the enquiry therefore thought it best to adopt the esystem of classification as in the case of the associations, that is, noup the syndicates according to the names they bear.

AGRICULTURAL SYNDICATES PROPERLY SO CALLED (AGRICULTURAL CO-OPERATIVE SOCIETIES).

(A) Local Agricultural Syndicates.

Under this heading appear all the syndicates that take the title of nonltural Syndicates pure and simple: they are 557 in number. Most them are scattered over the cantons of Zurich, Berne, Lucerne, othern and Aargau: there are none at all in Glarus, Obwald, Basley, Appearell and Ticino, where, however, the same work is done by icultural associations started before the syndicate movement, which may say made its appearance in Switzerland after the coming into the Personal Law Code, that is in 1883.

Of the 557 syndicates, 435 (78%) have civil personality, 3 have comomic character. The 551 (98.9%) that returned the number of it members had, on January 1st, 1910: 48,469 members.

The following table shows the distribution of these societies in the cantons:

TABLE V. - Local Agricultural Syndicates.

T	1				De	te of	Fou	ndati	on		Ág	ricult	urel 8	yndicalm
Cantons	Total Number of Syndicator	nbers	Number of members on uary int., 1910	1900-1909	1890-1899	1880-1889	1870-1879	1850-1869	Previous to 1850	Unknown	Economic	Not Regionale	- '	L Krone
		Ī					6				6	_	62	90 2
Zurich	69	69	5,093	17	24	19	ľ	1_		,	19:	1	142	74 50
Berne	192	- 1	20,961	78	95 21	,	,		1_	2			1 1	93 3
Lucerne	43	42	3,596	13	*"	[]	1_	_	1_	1_	1	3 -	2	67 1
Uri	3	3	85	3				_	۱_	1_	1		. ,	100
Bchwys	1	ĭ	. 46	1				-	. _	-	-	. _	. _	_ _
Obwald	-		219	.			. _	. _	.]_	-		3 -	. ,	33 2
Nidwald	3	3	319				. [_	. _	. _	. _	. _	. -	- -	- -
Glarus		[-]	_	1		. [. _	. _	. _	. _	-	8 -	- 8	100 -
Zug · ·	8	1	394 1,783		ı	1	. -	١.	. _	. _	.	15 -	- 1	73 4
Priboarg	15	1 1		1		1		. .	_ _	.	ı	39 -	_ 28	72 11
Solothurn	39	37	9,74	*	֓֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֓֓֡֓֓֓֡֓֡	<u> </u>	_ _	_ _	_	- -	_ -	_ -	- -	_ _
Basie-City	-	-	85	$\prod_{i=1}^{n}$	6	. .	_ ^		_1_	_ _	_	11 -	- :	7 64 4
Basie-Country	1	1				٦.	. .	_ -	_ _	_ -	-1	8 -	-	5 62
Schaffhansen	'	8	39	۱,	3	1	_[]	_[.	_ _	_ .	_[.	_ .	-1-	- -
Appensell R. R.	1-	1-	-		- -			_[.	_1.	_ .	_ .	_ .	- -	. - -
Appensell R. I	1-	1-		٦	٦.	٦,		_	, .	_ .	_	6	_	2 33
St. Gall	1	6 6	١.	- 1				_1	_1.	_	_	14	_	6 43
Grisons	1	4 *	1		9	56	8	,	_\.	_	2	98	_ ,	85 87 1
Aargan		8 9	١.	- 1	٠,	•	i I	_	_1	_		14	_[13 93
Thurgau	٠ ['	4 1	1 8	26	5	5	3		_1	_	_	_]	_ -	- - -
Ticino	- ا	-1-] [7	_	_	_ I	_1	_		20	2	21 94
Vaud	١.	22 2	1	1	- 1	<u>"</u>		_	_	_	_	7	_ -	- -
Valais	١.	7		25	7	_			_	_	_	2	_ .	-1-1
Neuchâtel	١.	3	2	72	2					_	_	2	-	I 50
Geneva	٠١	2	2	53	2	-	-	-				_	_ -	
	ŀ	- -	- -			_			П				3	435 78
Total	. 1	557 5	51 48,	469	214	259	58	12	2	I	11	554	1 '	"

(B) Federation of Agricultural Syndicates.

The Pederations of the Agriculteral Syndicates are the hinges of operative organization in Swiss Agriculture. The local societies assiste in cantonal or intercantonal groups, of which there were ten at date of the enquiry, with 105,728 members (1). We shall now give st of these important associations of the second degree.

1. Federation of the Agricultural Syndicates of Eastern Switzerland: nded in 1886 at Winterthur. It unites the forces of the local syntem, especially in organizing collective sale and purchase. In 1909 and 154 sections with 12,160 members; in 1910, 162 sections with 655 members. In this latter year it did a total business of 7,544,922 frs. t is 596 frs. per member. Its refunds to its affiliated societies omted to 132,800 frs. In 1910 its reserve fund was 170,000 frs. and 1911 180,000.

2. Federation of the Agricultural Syndicates of the Society of Agricult of the Canton of Zurich. Founded in 1896, with head quarters at merthur, it had, in 1909-1610, 69 sections with 5,683 members. It done in that period a business of 1,335,260 frs.

3. Federation of the Agricultural Syndicates of the Canton of Berne and Neighbouring Cantons. Founded at Berne in 1889, it had at the end 1909, 179 syndicates affiliated to it with 12,998 members and in 18, 1910, 184 syndicates with 13,525 members. In the working year 1910 it did a total business of 5,360.720 frs.: its reserve fund omted to 212,900 frs.

4. Federation of the Agricultural Syndicates of Central Switzerland. mded in 1889 at Lucerne, it had at the end of 1909, 39 sections with 65 members.

5. Federation of the Agricultural Syndicates of the Canton of Fribourg.

mded at Fribourg in 1907, it had on December 31st., 1910, 42 secs with 8,500 members: the business done by it was 1,802,685 frs.

6. Federation of Agricultural Syndicates of the Canton of Solothurn.
mded at Solothurn in 1906, it had in 1910, 36 sections with 3,708
mbers.

7. Federation of the Syndicates of the Agricultural Societies of the Canton St. Gall. It was started among the societies of agriculture of St. Gall was organized separately in 1905. At the end of 1910 it had 47 tions with 6,468 members.

8. Federation of the Syndicates of the Agricultural Society of Thurgau.

Mitely constituted in 1906, in 1910 it had 63 sections and 3,320

Men.

9. Federation of the Agricultural Syndicates of Upper Valais. Foundat Viège in 1908, it had, in 1909, 200 members.

⁽i) The total number of members of the Federations is greater than that of the local leates, because the former include other agricultural associations besides the syndicates.*

10. Agricultural Co-operative Society of Ticino. Started in 100 Belliuzona, it had, in 1909, 1,950 members. The business done in 1911 was 1,123,932 frs.

. CO-OPERATIVE DAIRIES AND CHEESE FACTORIES.

(A) Local Associations:

With the Alpine pasturage corporations, etc., the cheese-mal associations and fruitières are among the oldest forms of agricultural sociation (1): the necessities of the industries for the utilisation of have from time immemorial urged the farmers of the mountain reg to unite for the collective manufacture of cheese, etc.

In certain Alpine regions of Switzerland there are still exam of the ancient societies governed on simple and rudimentary pincip but with the development of livestock improvement and the consequ increase in the production of milk, many dairies of this class have g ually descended into the valleys.

These typical societies are usually divided into two classes: the called sociétés de fromagerie en fruitière, especially widely spread in Canton of Berne, engage a fromager (cheese maker) and manufact their dairy produce for their own account; the second, called social fromagerie en laiterie, have also special dairies, but let them to a i man, who treats the milk for his ownacco unt. In Eastern and l Switzerland he also utilises the waste products, but in the other re these are returned to the producers.

The enquiry, however, not to complicate its labours, took no an

of this distinction. It reported altogether 2,785 dairy and cheese making societies. cantons with the largest number are Berne (600 or 21 %), Vaud 16 %); Zurich (270) (96 %), and Fribourg (262) (9.4 %). Of these, (68%) are registered in the commercial register. The total num their members on January 1st., 1910 was 77,277. We find tha (12%) were founded before 1850; 840 (30 %) between 1850 and 578 (29 %) between 1890 and 1909.

The following table shows the distribution of these societies

various cantons.

⁽r) See in the number of this Bulletin for October-November, 1910 the M on Agricultural Organization in Switzerland.

TABLE VI. - Local Dairy and Cheese Making Societies.

IVER												-	=		=
		Number	1	α.	ate o	f Fou	ndati	OB		L	Mai	Dairy chig	and Socie	Chee: ties	-
	7	~	8						1			Rete	gis- red	Re te	
Cantons	Number of		Number of Members ry 18t., 1910.	60 80 80 80	689	879	8	other to 1850	F.	mic	Economic.	in t	he Co Res	mme	rcial
	Total	Byndicates of Memb	damiN t v:	1900-1909	1880-1889	1870-1879	1890-1869	Previous	Unknown	Economi	Not E	No	*	No.	%
	270	261	6,448	73	20	14 4	,	, ,	, ,	9 27	 -	17	4 64	96	36
43	600	59I	17,514		1	79 7	1.	1	1		ا	1 48	2 84	118	20
ne · · · ·	207	204	4,217	27		1		1	9 1	1	,	13	5 6	5 72	35
ceme .			_	_ -	_ _	- -	. _	. _	. _	. _	-	- -	. _	-	-
	90	30	565	9	3	3	2	1	3	9 3	- ام	١,	o 3	3 20	62
nid .	2	2	38		-1-	- -	- -	- –	- -	-	2 -		2 10	o	-
maid	_	_	_	_ .	_ -	- -	- -	- -	- -	- -	- -	- -	- –	· –	-
705		4	102	3	1 -	- -	- -	- -	- -	-	4 -	- -	- -	-	4 10
1	27	27	645	7	5	z -	-	1	1	12 :	27 -	-	9 :	13 1	8
bourg	262	259	7,703	41	34	60	34	48	25	20 2	бх	1 2	9 1	50 5	3 2
othern	100		2,623	29	19	16	12	20	2	2 1	00 -	-	84	B4 1	6 I
sk-City	١,		,11	-	r ·	-1-	- -	-1-	- -	-	Z -	-	I I	∞ –	-
nie-Country	69	63	2,109	28	10	10	3	10 -	-	2	63 -	-	52	82 1	Z E
daffhausen	3	2	87	2	-	-	1	- -	- -	-	3 -	-	2	67	I 3
ppenzell R. R		2	118	2	-	- -	- -	- -	- -	-	2 -	- -	- -	-	2 10
spenzeil R. I.	-	-	_	-	-1	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
jt. Gall . ,	15	155	3,219	41	35	33	19	19	3	6	:36	-	- 1	٦	96
irisons	. 8	9 87	3,095	13	11	14	23	16	5	7	87	2	8		81
mater	. 14	7 145	4,729	48	14	36	12	34	1	2	147	-	87	"	60
granden	. 15	4 744	4,539	35	18	38	20	36	-	7	153	1	59	- 1	95
Telmo	. 3	3 31	806	11	18	3	-1		-	I	33	-	2	6	31
Pood	. 47	46	13,406	46	35	44	45	97	146	57	470	-	452	96	18
Paleis	. ;	j6 54	2,318	2	15	16	4	5	9	5	55	ī	4	7	52
cochild	. :	53 5	z 7,648	15	- 5	7	7	12	6	ı	52	1	20	38	33
chera	\cdot	56 5	6 1,291	•	11	10	2	12	13	2	50	6	43	77	13
		-	 	+	-	-	-		-					68	200
Total	. 27	83 2,73	5 77,227	576	297	437	317	523	334	199	2772	ᄬ	1895	00	890

(B) Dairy Associations.

Under this head we find a few societies which, while they resent the co-operative dairies in many respects, yet cannot be included the same class.

The object of the dairy associations is to develop the profession action of their members and collectively influence the establishment the price of milk. Generally they have no buildings, because the limit themselves to the sale of milk.

The inquiry reported 17 associations of the kind, 10 of whi

had 1,419 members.

(C) Cantonal, Intercantonal and Swiss Dairy Societies and Fu ations.

These associations are divided into two groups, according to nature of the interests they represent (a) Professional Associations, Federations of Milk Producers. Before speaking of these in detail, is say that the inquiry has not in this case distinguished between sciences with individual members and those with sections.

(a) Professional Associations. These include associations of Man facturers and dealers in dairy produce: On December 31st., 1909 the were three:

1. Swiss Dairy Society. Founded at Olten in 1887, it will the dairy societies and federations and proposes to improve the production and technique as well as the sale of the produce. On December 1909, it had 12 sections and 1,112 members. Its organ is to Schweizerische Milchzeitung."

2. Dairy Society of Latin Switzerland. Founded at Lausan in 1887, with the same objects as the preceding. It has 178 members in 1887, with the same objects as the preceding.

3. Fribourg Milk Industry Society. Founded at Fribourg in 19 it has 78 members.

(b) Federations of Milk Producers. These organisations, of more recent date, aim at the defence of the interests of the producers a above all at obtaining remunerative prices for their milk. The inquireports 14 of these, all later than 1903. We give here a list, with number of sections, of members and of the cows these latter possess.

I. Federation of Cheese Making and Dairy Societies of North W Switzerland. Founded at Liestal, it had 168 sections, with 5,424 members are 27 270 200000

possessing 21,310 cows.

2. Federation of Cheese Making and Dairy Societies of North E.

Switzerland. Its head quarters are at Zurich; it had 273 sections with the section of the section

3. Federation of the Dairy Societies of Central Switzerland. It has its d quarters at Berne and has 95 sections, with 2,561 members ging 18,500 cows. In 1911 it united with the Beruese Co-operative Making Federation and took the name of Bernese Federation of use Making and Dairy Societies. The new society has 290 sections i 7,500 members.

4 United Geneva Dairies: 39 sections; 850 members; 3,441 cows

725 heifers. 5. Federation of Milk Producers of Lucerne and Environs: 36 sec-

s. 331 members.

6. Thurgan Federation of Cheese Making Societies: headquarters at infelden; 104 sections; 3,000 members; 15,000 cows.

7. Federation of the Dairy Societies of Zug, Aargau and Lucerne: Liquarters at Zug; 9 sections; 461 members; 4,790 cows.

8. Federation of the Lake Leman Dairies: 44 sections, 1,120 mems; 5,400 cows.

9. Federation of Saint Gall Cheesemaking Societies: head quarters St. Gall; 440 societies, 790 members; 5,850 cows.

10, Federation of Vaud and Fribourg Dairies: head quarters at veme: 168 societies; 4,585 members; 21,279 cows.

II. Federation of the Cheesemaking and Dairy Societies of Central sizerland, head quarters at Lucerne; 81 societies; 2,195 members;

.022 COWS. 12. Federation of the Milk Producers of the Cantons of St. Gall and members; 6,000

13. Aargau Federation of Cheesemaking Societies: head quarters at 螺: 73 sections, 2,400 members, 9,500 cows.

14. Central Swiss Union of Milk Producers. with the character of National Central Union; it was formed for the better consolidation the commercial organisation of producers and the institution of perment paying courses. It includes all the above federations, except 8.5 and 8; at the date of the enquiry it had 1,039 affiliated societwith 29,347 members with 29,347 cows. One of the most important sults of this powerful union was the foundation in 1911 of the "Swiss miled Liability Society for the Exportation of Gruyère Cheese (Emental)," with head quarters at Brugg.

The organ of the Union is the "Schweizerische Zentralblatt für Milch-

irtschaft".

3. LIVESTOCK IMPROVEMENT SYNDICATES.

The Confederation and the Cantonal authorities have been giving etialattention to the encouragement of this branch of agricultural organition; in the conditions of small property that prevail in Switzerland, the syndicate is the only serious guarantee of good livestock in

(A) Local Syndicates.

(a) Horned Cattle Improvement Syndicates. The great development horned cattle improvement syndicates, largely due to the initiative the late Dr Kraemer and Colonel J. von Wattenwyl-Elfenau, date from 1890, The Enquiry reported 913 associations of the kind on D cember 31st., 1909 with more than 28,400 members; 656/72%) are resistered in the Commercial Register; 122(13%), in addition to the proper duties, are engaged in work of an economic character, name purchase and sale of agricultural produce.

The following table shows how these syndicates are distribut

among the various cantors:

TABLE VII. - Local Horned Cattle Improvement Syndicates.

.====		2	- A		Dat	e of	Fonn	datio	6		Img	ocai I	Torns ment	Syn.	ittle dicate	•
atons	3 1	Returning Number 18	Number of Members on January 18t., 1910						1850			2	Req	ed .	Not I	ed
	fumbe	licates Re Members	10 Me			İ			2	£	爿	and and	mei	CEST.	- Care	
	Total N	Syndicates of Member	Number of 18t., 1910	1909-10	1890-99	1880-99	x870-79	1850-69	Previous	Unknown	Beansmic	Not Recording	Ã.	%	NO.	%
	126	125	6,84	A 2	3 53	14		11	,	14	3	123	73	58	53	42
1	120	1		1	1	ı	-	_	 	1	3 20	101	82	74	29	26
	2	1	1	ı	5 1	5 ,	d -	 _	-	1	<u>-</u>	25	23	100	-	-
gat ·	1	1	1	1	5 -	-	-	-	۱–	-	1	1		101	-	-
	2	1	1	78 1	15 I	2	r –	-	-	1-	\cdot	1 2	24	8	3 :	17
ryt mid	l	7		35	2	3 -	1-	-	1-	-		1 .	٠	10	4-	1-
raid		1	-1	75	5	1 -	- -	- -	\ -	- -	-	1	٦	6 10	9-	-
105		8		20	6	2 -	- -	· \ -	-	- -	- -	-	1	8 10	1	1-
		,	6	203	5	2 -	- -	· -	- -	- -	-	I	6	1	~ ×	1-
bourg		- 1	79 1,	735	45	36 -	- -	- -	- -	- -	-	1	1	ı	٦ `	9
othurn		- 1	1	163	13	1 -	- -	- -	- -	- -	-	I	13	9	64	5 3
sle-City	. -	_ -	- -	- \ -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
sie-Country .		7	7	244	3	4 -	- -	- -	- -	- -	- -	-	7	1	71	2 3
shaffhausen		3	3	120	-1	2	1 -	- -	- -	-	-	1	2	1	00 -	2
opensell R. K.		12	12	404	6	6	- -	- -	-1:	-	-1.	-	12	10	83	3
ippenseli R. I.		6	6	114	3	- I	- -	- -	- :	-	2	I	5	3	50	23
k. Gall		99	98	2,777	56	36	4	-	-	-	3	4	95	76	77	35
Crisons		132	130	3,038	90	38	1	-	-	-	3		104	97	73 48	12
Aergau		23	23	915	9	12	2	-	-	-	-	3	20	21	1	1
Taurgan		22	22	613	10	12	-1	-	-	-	-1		21	- 1	95 73	11
Ticino		41	39	1,330	30	10	-	-	-	-	I	3	38	30 78	75	24
Vand.		102	101	3,618	30	67	4	-	-	-	1	48	54		54	21
Valads		46	46	1,833	29	15	1	-	-1	-	1	9	37	25	100	_
Neuchard .		4	4	235	2	2	-	-	-1	-	-	I	3	4		_
Geneva	٠.,	1	1	22	1	-	-	-	-	-	-	-	1	-	_	_
		_			-	_	-		—	<u> </u>	1		_		<u> </u>	25
Total	٠.	915	90x	28,454	464	368	30	4	11	1	29	122	791	650	71.8	25

- (b) Horse Improvement Syndicates.— Up to the present results of horse improvement in Switzerland have not been good; it institution of syndicates has, however, occasioned a certain progress a in this department. The Enquiry reports 44 associations of the in 42 of which have 3,821 members; 23 are registered in the Comment Register, 5 have an economic character. Most of the horse improvement syndicates are to be found in the canton of Berne (17, with 1,636 members), of Vaud (8, with 779 members) and of Fribeurg (7, with 5 members).
- (c) Goat Improvement Syndicates. The first Syndicates of the character were founded in the canton of Zurich, but their progress is recent date. At the end of 1909 there were altogether 201: 194 (9) had 6,239 members: 92(46 %) are registered in the Commercial Relief. The Cantons with the largest number of syndicates are Ben (67, with 2,400 members), St. Gall (39, with 995 members), Zurich (9) with more than 915 members), Solothurn (25, with more than 980 members). In recent years various other syndicates have been formed is calculated that their number is now 220 with 8,265 members.
- (d) Sheep Improvement Syndicates. As in all countries of intensagriculture, also in Switzerland sheep improvement is declining. As ciation in this department of livestock industry dates from only the years back. The enquiry reports 38 syndicates of this class on December 31st., 1909, 36 of which had 613 members; 5 were registered in Commercial Register and I was engaged in economic work. Most of the were found in the cantons of Valais (II with 126 members) and Fribor (8 with 96 members).
- (e) Pig Improvement Syndicates. The progress of these syndicates only dates from 1900. The enquiry reports 48, 46 of which had 12 members; 22 were registered in the Commercial Register and 2 were economic character. They are found in largest numbers in the cause of St. Gall, (12, with 227 members), Lucerne (10, with 279 members and Vaud (8, with 208 members).
- (B) Cantonal, Intercantonal and Swiss Federations of Linesh Improvement Syndicates.

(a) Federations of Horned Cattle Improvement Syndicates. The lossyndicates are grouped in the following unions, according to the breathey improve:

I. Swiss Federation of Syndicates for the Improvement of the I Spotted Breed of Horned Cattle. Founded definitely in 1898, on cember 31st., 1909 it included 237 syndicates with 6,898 members, pc essing 17,128 head of livestock, 664 bulls, and 16,464 cows. Most the affiliated societies belong to the Cantons of Vaud (86 with 3,

bers). Berne (61 with 1,441 members) and Fribourg (51 with 5 members).

2. Swiss Federation of Syndicates for the Improvement of the Brown of Horned Cattle. Founded in 1879, at the time of the Enquiry med 222 syndicates with 7,209 members, possessing 21.839 head of red cattle, 21,450 being cows and 349 bulls. Most of the associated ries belong to the cantons of St. Gall (81 with 2,248 members),

Schwyz (25 with 531 members).

3 East Switzerland Federation of the Syndicates for the Improvement lie Simmental Breed of Horned Cattle. Organized in 1898, it had 56 dicates with 1,450 members and 2,700 head of cattle.

4. Zurich Federation of the Syndicates for the Improvement of the imental Breed of Horned Cattle. Founded in 1897, it had 20 syntes.

5. Federation for the Improvement of Horned Cattle of the Alpine mental Breed. Founded in 1899, at Erlenbach, it is especially conned with the sale of its members' cattle. At the end of 1905 it had sections with 443 members owning 2,332 cows and 57 bulls. Its an is the "Alpfleckvichzüchter".

6. Federation of the Livestock Improvement Syndicates of the Canton Lucine. Founded in 1903, it occupied itself with the improvement of med cattle, horses and pigs. It included 21 horned cattle improvent syndicates with 892 members owning, 51 bulls and 2,831 cows.

7. Swiss Federation of the Syndicates for Improvement of the Black ted Breed of Horned Cattle. Founded at Zurich in 1899, it included syndicates with 418 members, possessing 99 prize bulls and 2,453

istered cows.

8. Fribourg Federation of the Syndicates for Improvement of the Red bitd (Simmental) Breed of Horned Cattle. Founded in 1903, it included syndicates with 1,022 members owning 239 prize bulls and 4,620 registed cows.

These two last federations have united in the Fribourg Federation of read Cattle Improvement Syndicates, which organizes an annual bull by at Bulle.

9. Federation of the Solothurn Livestock Improvement Syndicates. midel in 1908, it includes 13 syndicates with 160 members.

10. Federation of the Livestock Improvement Syndicates and Livestock Provers of Basle-Country. Founded at Basle in 1902, it includes bound cattle improvement syndicates of the region and the goat improvement syndicates. In 1902, it had 277 members.

wement syndicate of Geeterkinden. In 1909 it had 277 members.

II. Federation of the Vaud Horned Cattle Improvement Syndicates.

unded at Lausanne in 1898, it had 3,006 members.

- (b) Federation of Horse Improvement Syndicates.
- 1. Bernese Federation of Horse Improvement Syndicates and Horse Propers. Founded in 1909, it had about 2,000 members and 2,054 regreed horses.

2. Federation of the Horse Improvement Syndicates of the Canton Fribourg. Founded at Fribourg in 1902, it had 600 members with registered horses, and 8 stallions.

North West Association for the Improvement of Halfored Hora Founded at Basle in 1907; it had 76 members.

4. Horse Improvement Association of the two Cantons of Basle. Found ed in 1904, it had 104 members.

5. Horse Improvement Association of the Grisons. Founded in 1006 it had 20 members.

6. Aargan Horse Improvement Association. Founded at Brengarts in 1901; it had 110 immediate members.

7. Thurgan Horse Improvement Society. Founded at Weinfelde in 1894; it had 35 members.

8. Valais Syndicate for the Improvement of Draught Horses and Mule Founded in 1906 at Sion; it had 100 members.

9. Horse Improvement Society of Latin Switzerland. Founded:

Lausanne in 1871; it had 439 members.

10. Geneva Horse Syndicate. Founded in 1912 at Geneva.

(c) Federations of Goat Improvement Syndicates.

1. Zurich Cantonal Federation of Goat Improvement Syndicale Founded in 1903 at Dinhard; it had 900 members.

2. Bernese Federation of Goat Improvers and Goat Improvement Sy dicates. Founded at Berne in 1905; it included 73 syndicates at 3.545 members. Its organ is the "Schweizerischer Kleinviehzüchter".

3. Schwyz Federation of Goat and Sheep Improvement Syndical Founded at Schwyz in 1907; it included 16 goat and 5 sheep improve ment syndicates, with a total of 1,000 members.

4. Fribourg Small Livestock Improvement Society. Founded at Fribourg

in 1902; it had 49 members.

5. Federation of Goat Improvement Syndicates of the Canton of Solo thurn. Founded at Balstal in 1908; it had 800 members.

6. Goat Improvement Association of Appenzell R. I. Founded a Appenzell in 1904; it had 78 members.

7. Federation of the Syndicates for the Improvement of Toggenburg God of the Canton of St. Gall. Founded in 1891; it had 19 sections at 350 members.

8. Federation of the Thurgau Goat Improvement Syndicates. Founds

in 1906; it had 693 members.

9. Swiss Federation of Goat Improvement Syndicates. Founded in 190 it had 2,260 members. 10. Romance Federation for the Improvement of Small Livestock, Fow

ed in 1882; it had 200 members.

We must add the three following federations founded since t date of the inquiry: Aargan Federation of Goat Improvement Syndical founded at Brugg in 1911. Federation of Small Livestock Improvement

icales of the Canton of Fribourg (1912), Federation of Small Livestock memont Societies of the Canton of Vaud (1912).

(d) Federations of Sheep and Pig Improvement Syndicates. At the date of the inquiry there were no special federations of sheep At the date of one inquiry there were no special federations of sheep pig improvement syndicates. But recently efforts have been made hei institution. Thus in 1911 there was founded a "Federation of Improvers and Improvement Syndicates of Central Switzerland" and the ris Federation of Pig Improvers and Improvement Syndicates "at Zug. To give a clearer idea of the development of livestock improvement was shall show in the following table the syndicates. pation, we shall show in the following table the various forms

Livestock Improvement Associations.

		Nun of Asso	ber lations	Numbe
Kind of Association	Tot		ning Numb Members	on
A		No	1 %	January 18t., 1910
Local Syndicates:	1		+	†
Associations: Associations: Associations and Associations and Associations and Associations	91; 44 220 38 48 1,263	42 213 36 46	98.7 95.4 96.8 94.7 95.8 87.8	28,434 3,821 8,265 613 1,217 42,350
one Improvement Federations and Associa-	H	11	too	23,395
at Improvement Federations and Associa-	9	9	100	3,284
_	10	10	100	9,875
Total I, the figures do not represent the real total number of affinest of the members of the Pederations have already be associations.	293	1,268	98.1	

4. ASSOCIATIONS FOR THE COUNTVATION OF THESE AND THE UTILIBATION OF PROP

(A) Local Associations.

These associations aim at the improvement of the economic conditions of fruit cultivation and at the insurance of remunerative utilization of fruit; as means to this end the associations resort to the diffusion of professional education among members, the selection of the map paying varieties, the scientific treatment of the produce as well as the defence of the interests of the members when selling, etc.

The enquiry included under this head various classes of societie from co-operative societies for production to those for sale: almost a purchase their members' fruit at the market price; some have complet installations for the preparation of cider; others, by preference, engage in the sale or the drying of fruit. At the date of the enquiry there we in Switzerland 68 associations of the kind: 7 of them called "Ciden Making Associations" are occupied almost exclusively with the many facture of cider. Most of the societies (83 %) were formed in the period 1900-1909. The total number of members in 66 of these societies was 3,648.

The cantons in which they are found in largest numbers are Beng (18 with 609 members), Aargan (15 with 1,050 members), St. 64 (11 with 651 members).

(B) Cantonal and Intercantonal Associations and Federations:

1. Bernese Society for the Export of Fruit: Founded in 1910 a Oberdiesscach; it had 54 members in 1909.

2. Bernese Society for the Cultivation of Trees. Founded in 1907, i

had 15 members.

- 3. Bernese Association for the Utilisation of Fruit. Founded in Ign at Hitzkirch; it had 212 members. Its object is the purchase and sal of fruit and fruit products. It has an installation for the manufactur of cider.
- 4. Commercial Fruit Cultivation Society of Central Switzerland. Found ed at Sursee in 1905; it had 210 members. It has an installation for the manufacture of cider and occupies itself with the sale of cider and the purchase of farm requisites and produce.

5. Nidwald Tree Cultivation Society: it dates from 1899 and ha

75 members.

6. Glarus Communal Tree Cultivation Society. Founded at Glaru in 1904; it had 242 members.

7. Fribourg Society for the Utilisation of Fruit at Guin. Founder

in 1905; it had 215 members.

8. Tree Cultivation Society of the Canton of St. Gall. Founded 8 Wil in 1888; it had 225 members.

9. Thurgan Front Cultivation Society. Founded in 1906; it had numbers.

10. Fruit Cultivation Society of the Canton of Vaud. Founded at same in 1908; it had 110 members.

II. Swiss Tree Cultivation and Vine Growing Society. Founded 1894; it is also concerned with viticulture and has both sections individual members. In 1909 it had 2,793 members. Its organ is "Schweizerische Zeitschrift für Obst-und Weinbau."

12. Swiss Tree Cultivation Society. Founded in 1913 at Waldhauszelflüh. It has sections and iudividual members. In 1909 it had 17 members. Its organ is "Der Schweizerische Obstbauer".

We must further mention the three following associations formed to the closing of the enquiry: Union of Swiss Societies for Trade Fruit, founded at Zurich in 1911; Society for the Cultivation of Fruit & Vegetables of the Canton of Solothurn (1913); Lucerne Tree Cultivation city (1912).

5. VITICULTURAL ASSOCIATIONS.

(A) Local Associations.

These associations aim at the development of viticulture in all its inches: therefore also in this case the forms of the societies vary atly, from those for production to those for sale. Some themselves age in production and have presses, cellars, etc.; they offer a sure guarlee for the purity of their products. Others only undertake the e of the wines.

The enquiry reported 50 associations of the kind; 5 of these, under name of "Wine Press Associations", have 64 members and their ect is the collective utilisation of wine presses. In 1909, 48 of the we associations had 2,744 members. Their distribution naturally responds with that of vine cultivation in Switzerland; most are found the cantons of Vaud (14 with 936 members), Zurich (11 with 600 mbers) and Valais (9 with 1AI members).

- (B). Cantonal, Intercantonal and Swiss Viticultural Associations | Federations.
- Zurich Viticulturists' Union. Founded in 1905, besides occupgitself with the general interests of the viticulturists, it undertakes provide against the adulteration of wine. In 1909 it had a thousand mars.
- 2. Society of the Wine Farmers of the Right Bank of the Lake of ich. Founded in 1904, it is also engaged in commerce. It had 720 mbers in 1909.

13. Visicultural and Tree Cultivation Society of the Left Bank of Lake of Zurich. Founded in 1906, it had 120 members.

4. Cantonal Viticultural Association of Basic-Country. Found at Arlesheim in 1898; it had 45 members.

5. General Viticulturists' Association. Founded in 1900 at General it is especially engaged in the sale of wine. In 1910 it had 225 members

6. Geneva Wine Making Association. Founded in 1908: it is 42 members. It provides for the collective treatment and sale of members' wines.

7. Swiss Viticultural Association. Founded at Basle in 19 for the defence of the interests of viticulture, the fight against adultation and the sale of its members' wines. In 1910 it had 80 members

6. THRESHING ASSOCIATIONS.

The object of these associations often called: "Societies for The ing Grain," is to enable small farmers to use machine threshers. Aim all possess locomotive machines generally worked by electricity. I enquiry reported 133 of these societies, 96 of them registered in the 00 mercial Reigister; 129 of them had 3,946 members. Most of theassociations of the kind are found in the cantons of Vaud (71 with more ta,150 members) and Berne (25 with more than 1,000 members).

7. DISTILLERY ASSOCIATIONS.

The Confederation has the monopoly (1) of alcohol and contrate purchase the fourth part (a maximum of 30,000 hl.) of the nature consumption of trois-six and alcohol, from Swiss distillers.

Most of the distilleries, which, for the rest, are almost all in the lan of associations, work for the Confederation. It offers the consignment in lots for from 150 to 1,000 hectolitres and grants the preference to n ions in which the potato crop exceeds the demand. The associations in which the same conditions. While most of the co-operative cieties distil for the Confederation, some have been formed independent and treat grapes and fruit.

The enquiry reports 53 distillery associations, 41 of them registed in the Commercial Register: the cantous in which there are the conformal for these associations are Berne (20 with 58 members), Vaud (7 with 1 members) and Solothurn (6, with 87 members).

In the year 1911-12, the associations supplying the State were. They received orders for 28,200 hl.

⁽¹⁾ The munopoly does not extend to distillation from grapes; wine, eider and in

8. RURAL MILLING AND BAKERY ASSOCIATIONS.

The fall in price of grain has caused the cultivation of cereals in itzerland to be limited almost to the needs of direct consumption: in t only 1.44 % of the agricultural revenue is derived from grain. But in certain districts the farmers were unwilling or unable to abandon cultivation entirely, attempt was made to facilitate its utilisation the spot, by collective milling and baking. This kind of associanouly began within the last ten years. The enquiry reported 39 rural lls and 3 bakeries. The farmers generally purchase an old mill and fit up in modern style. They are now also providing themselves with nethouses. On December 31st., 1909 there were more than 6,000 memsof the 39 co-operative milling societies, 24 of which were in the canton Yaul; three bakeries (Lumbrain, Andwill, Mettmenstetten) had 388 embers.

In 1911 a co-operative milling society was founded at Geneva under title of "Geneva Agricultural Mills." In addition to its usual work, it mages in the purchase and sale of agricultural produce.

9. FARM IMPROVEMENT ASSOCIATIONS.

These associations for carrying out works of restriping and farm rejustment, drainage and reclamation of land, differ from the other associtions in so far as they are often only formed for a specified time; they are solved as soon as their object is accomplished.

At the date of the enquiry there were in Switzerland 68 associations the kind (19 in the Canton of Zurich, 16 in that of Vaud), with more an 3,500 members. They are almost all of recent foundation, as are so the facts giving rise to them, that is the rise in value of cultivated nd, the intensification of cultivation and the new social legislation is well to mention also the existence of 11 other associations of similar anacter, concerned with farm improvements, clearing of land, maintenace of roads, destruction of field mice, etc. Of these 9 with 334 members are for their object the destruction of field mice. Of the two other societies ne is in the canton of Berne with 20 members, the other in Thurgan ith 225.

Lastly, among the farm improvement associations we must include he irrigation associations. But as most of these are formed by corporations and communes, the number of voluntary associations is small: he enquiry reports 5 with 146 members: two of them (at Roggwil and honfol) in the canton of Berne, I (at Sils) in the Grisons, I (at Niederlenz) hargan, I (at Bellinzona) in Ticino.

10. VOLUNTARY ALPINE PASTURE ASSOCIATIONS.

(A) Local Associations.

The enquiry was not concerned with the Alpine pasture associated of public character, but only with the private of voluntary associated for collective utilisation of mountain pastures. It is, however, very discult to distinguish clearly between the two kinds of organization; the inquiry report therefore hesitated to accept the figures in the Cass return of the voluntary organizations. At the end of 1909 there we 227 Alpine pasture associations of this character in Switzerland; 177, 171 members; 27 were registered in the Commercial Reigster; 1 had an economic character. In a large number of cases the date of the foundation is unknown, for man yof them are only gradual transformation of the ancient "Markgenossenschaften."

The cantons with the largest number of Alpine pasture association are those of Grisons (65), Berne (39), St. Gall (30), Valais (26) 4 Vaud (19).

- (B) Cantonal, Intercantonal and Swiss Alpine Economy Assistions.
- 1. Fribourg Alpine Economy Society. Founded in 1897. It h 283 members.
- Aargau Alpine Economy Society "Wernisegg": founded
 Aarau in 1874. It had 36 members.
- 3. Vaud Alpine Pasture Society. Founded at Lausanne in 18
- It had 128 members.

 4. Valais Alpine Economy Society. Founded at Sion in 194
- It had 64 members.
 5. Geneva Alpine Pasture Society. Founded in 1909. It has the end of the year 150 members.
- 6. Swiss Alpine Economy Society. Founded in 1863, reorganize in 1890. Its object is the improvement of Swiss mountain pasture protecting the soil from damage through atmospheric causes, cultivate the Alpine land, building cattle sheds and making paths, and occupy itself with livestock improvement and dairy farming. It has compile an important work on Alpine Statistics, gives special courses, distributed prizes, etc. For some years it has been receiving a federal subsidy 9,000 frs. It publishes monthly "Alpwirtschaftliche Monatsblätte The society had 614 individual members and 18 sections with 2,371 members, altogether 2,985 members. At the end of 1911, the sections increased to 20 with 2,527 members, the independent members to 64

in all 3,174 members.

II. PORBSTRY ASSOCIATIONS.

The forestry associations and corporations dependent on the comnal authorities were not included in the enquiry; which only reported
of of the composition of the enquiry; which only reported
of the composition of the enquiry; which only reported
forestry corporation of the enquiry; which forestry corporais of the forestry corporation of the forestry corporais of the forestry corporation of the forestry. The object of all four, which have togeregion of the first, which supplies the market, they only supply their
members.

12. FARMING ASSOCIATIONS.

This type of association is very rare in Switzerland and it is only at with among the tobacco and sugarbeet farmers,

Tobacco is cultivated in districts poorly supplied with water and pecially in the neighbourhood of Yverdon, Payerne, Avenches, the industry lake districts, the Broye Valley and the Bernese lake district. It is generally cultivated by small farmers who, if they wish to maintain tenselves independent of the dealers, must seek safety in association he enquiry, however, only reported two associations of the kind: the foundless Tobacco Planters' Association (Payerne), which was founded in found had 62 members at the end of 1909; and the Tobacco Planters' Issociation of the Valley of the Broye, founded at Payerne in 1909, with 1,000 members recruited in 51 communes. Both encourage tobacco rowing and the collective sale of the produce. The inquiry report alls for a greater development of association, that has proved so useful or thrift in this department, especially if the field of action can be riended to every brauch of the cultivation, preparation and manibalation of tobacco.

The cultivation of sugar beet in Switzerland is checked by the ack of sugar factories, the large expenses and the deficiency of labours. Recently attempt has been made to promote it with the help of sociation. In 1909 there were two associations of the kind in the Consecration, one at Kallnach (district of Aarberg), founded in 1903, with 11 members; the other at Finsterhennen, founded in 1904 with 7 members.

13. ASSOCIATIONS FOR THE CULTIVATION OF VEGETABLES,

Under this head are grouped only market gardeners' associations, of those for both gardeners and market gardeners. On January 1st., 1910 here were 6 associations of the kind with 525 members: they are engaged

in the collective cultivation and sale of fresh vegetables. We may mention in addition an "Association for the Manufacture of Sauchau" with headquarters at Alischwill (district of Arlesheim): it is engage in the collective cultivation of cabbages for manufacture of sauerkaut Founded in 1894, it has 30 members.

Founded in 1894, it has 30 members.

Let us mention finally the "Geneva Market Gardeners' Association a cantonal society, founded in 1891 with the object of developing mark gardening and protecting the interests of its members. At the end of

1909 the number of these was 130.

14. CREDIT ASSOCIATIONS.

(A) Local Associations.

The development of co-operative credit in Switzerland only date from 1900, when the parish priest of Bichelse (Thurgau) founded the first Raiffeisen Bank. The movement extended gradually to all the Swis Cantons. The rural banks are of pure Raiffeisen type, act as loan and savings banks, and are regulated by articles 678-715 of the Federal Per sonal Law Code.

At the date of the enquiry there were 139 rural banks (153 in 1910 with 10,024 members: 98 of them (70.5%) were registered in the Commercial Register; 18, in addition to their ordinary business, bought are sold farm requisites and produce.

The following table shows their distribution:

TABLE IX. - Local Credit Associations.

		-	~ 4	441.53	•			- - 111	-	-		-				۰,
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hald	2	2	61	2	-1	-	-	-	-	-	-	2	1	50	x	50
bourg	19	19	980	19	-	-	-	-	-	-1	3	16	15	79	4	21
otimen	28	28	1,790	28		-	-	-	_	-	1	27	24	86	4	14
de Country .	6	6	620	6	-	-		-	-	-	-	6	–	-	6	100
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Total	13	13	10,024	133	2	1	-	-	ı	<u> -</u>	18	12	1 9	8 70.5	41	29.

(B) Cantonal and Swiss Credit Associations.

The principal institution for the federation of the Rural Banks is Swiss Union of Raiffeisen Banks; founded in 1902, for the encouraget of the economic and moral progress of the people on Christian princis. It promotes the foundation of credit associations and co-operat-societies of public utility of the Raiffeisen system, organizes the inction of its affiliated banks and manages a central bank to act as a aing house for the separate institutes).

In June 1910 it had 130 banks affiliated to it with 8,155 members; the same year the business done by it amounted to 11½ million francs. June 1911, the affiliated banks had increased to 153 with 9,854 members.

The union has besides four sub-sections, that is, the Cantona, Union of St. Gall and of Fribourg., the Vaud Union of Raiffeisen Banks and the Rederation of Mutual Credit Associations of Vaud. Their members a also members of the Swiss Union.

15. BANKS FOR LOAMS ON LIVESTOCK.

In order to combat the usurers who took advantage of the fame when buying livestock, a mutual aid society was founded at Hamme feld in 1849 to purchase livestock for its members to be paid for in annual instalments. Loan banks for the same purpose were found in Zurich and Thurgau. According to the new code, livestock may given in security for debt, and remain in the possession of the debtoral registration of the pledge in a public register. To prevent usonous registration, these rights of pledge can only be constituted in behalf of the institutes or co-operative societies authorized to this end by the Canto authorities. When the loan bank is not directly managed by the α munal council, it is under its supervision.

The enquiry report only considered associations of private charter, of which there were 5, with 457 members: 3 in the Canton of rich and 2 in that of Thurgau.

To sum up, at the end of 1909 Switzerland had 139 local credit a ciations with 10,024 members; 5 local banks for loans on livestock v 457 members and I Swiss Union of Raiffeisen Banks with 8,155 memb

16. MUTUAL INSURANCE ASSOCIATIONS.

The Confederation has encouraged the foundation of mutuallives and hail insurance societies by means of subsidies and special provisions.

(A) Livestock Insurance.

It is well to distinguish between the horned cattle, horse and s livestock insurance societies. The first were not included in the engineerause they are compulsory and so are outside the sphere of volunt association: the federal law authorizes subsidies to those cantomallying the principle of compulsory insurance to horned cattle, and always are contained to the purpose. The same more prevented the enquiry taking account of the insurance of small lives.

The horse insurance societies, however, do not come within thes of official insurance. The report of the enquiry mentioned 31 local regional societies. Most (19) are in the canton of Berne; 29 had members. Besides these, let us mention 6 cantonal associations 3,505 members, in the cantons of St. Gall, Zurich, Aargau (Baden),

m, Basic-Country (Liestal), and Grisons (Samaden). We shall finmention two national associations, the Federal Guarantee (with
dquarters in Paris, insuring against disease, death and compulsory
ghter), and the Swiss Mutual Horse Society, officially authorized for
whole of Switzerland; it had 3,275 members with 5,952 horses insured
about 5 million frs.

(B) Hail Insurance.

Founded in Zurich in 1882, the Swiss Hail Insurance Society is the migal institution in this department of mutual thrift. It had to conditing the federal government came to its assistance with annual subsidies. The federal law of 1893 subsidies the cantous that encourage this class insurance. In 1910 all the cantons except 4 had profited by these diffus: they guarantee subsidies of between 15 and 40 % and pay the sts of the policies.

In 1910 the cautons granted altogether 389,200 frs. for the purpose,

id the Confederation granted 194,600 frs.

In 1910 the Society's policies were 60,456 representing an assured mount of 67,420,780 frs. The society had collected 1,060,603 frs. in remiums during the year and paid out 1,104,378 frs. to satisfy 9,081 sims. The year 1910 was a very bad one for the society; in that ar the largest number of claims since its foundation were presented.

Besides this society there is another mutual association at Neuchal, the *Paragrèle*, working in the viticultural district of the canton. Its offices in 1909 were 639 for 662,302 frs.; it had collected in the year 9,838 frs. in premiums and paid 3,802 frs. in claims.

17. SWISS PEASANTS' UNION.

This large organization on which the association movement of agridual Switzerland turns, was founded in 1897 for the representation addefence of the interests of agriculture, especially its economic interests. It has sections and collaborating members. Any agricultural federation of Swiss members may belong to it, as also local associations of every kind. The Union has 3,000 confidential agents scattered over all the communes and working with it. Its office for scientific research, he Swiss Peasants' Secretariat, studies the conditions of the national griculture and makes proposals for the improvement of the farming mosession. Its organ, "The Swiss Peasant," published in French and betman, is issued in 100,000 copies. The Union has also an important internal Office for Information on Prices, which diligently follows the novement of the market with the assistance of 4,500 correspondents resid-

ent at home and abroad. The information obtdined is published well lift the Bulletin, "Said Agricultural Market Review." This large organization had in 1909, 24 sections with 144,377 members, who in 1911 had reased in number to 151,468.

§ 4. GENERAL SUMMARY OF THE SWISS AGRICULTURAL ASSOCIATION

Summarising this long recount of the results of the important inqui on January ist., 1910, Switzerland had 6,231 local associations; 6,0 of these (97.3%) had together 293,719 members. If we add the 45 catomal, intercantonal and Swiss associations with their own members get a real total of 380,129 members. Taking into account the organizations formed of associations, the imembers of which (346,23 are therefore indirectly affiliated, and the 144,377 members of the Sw Peasants' Union, we have a total of 870,731 affiliated members:

The following table shows more clearly the number of the \S_N Agricultural Organizations:

₩3

TABLE X. - Agricultural Associations.

All the state of t	Numbe	of Associ	ations	Number
Rind of Association	Total	Retur Num of Men	ber	Members on January
		Number	%	1910
		<u> </u>		<u> </u>
]		
gicultural Associations	494	482	97.6	60,084
mithological, Poultry and Rabbit Improvement	_			شــه
Societies	158	156	98.7	8,153
erkeeping Societies	121	120	992	7,350
gicultural Co-operative Societies	557	551	98.9	48,469
ary and Cheese Making Societies	2,785	7,235	98.2	77,227
ary Associations and Societies	17	14	82,2	1,419
omed Cattle Improvement Syndicates	913	901	98.7	28,494
forse *	44	42	954	3,821
oat • · · · · ·	220	213	96.8	8,265
keep *	38	36	94-7	613
ig • • · · · ·	48	46	95.8	1,217
ssociations for the Cultivation of Trees and the	68	66	97.1	3,648
Utilisation of Fruit	50	48	96,0	2,744
Viticultural Associations	133	129	9 6.9	3,946
hreshing Associations	53	51	96.2	974
Distillery Associations	39	38	97-4	6,059
gricultural Mills	3	3	100	388
gricultural Bakerles	73	, 69	94.5	3,528
rm Improvement and Irrigation Associations	227	177	77-9	7,471
lpine Pasture $\textbf{Associations}$	15	15	100	1,874
affing Associations	139	139	100	10,024
anks for Loans on Cattle	5	5	100	457
Itual Horse Insurance Societies	31	29	93.5	7,474
		-		-
Total Local Associations	6,231	6,065	97-3	293,719
				1
ederations with own Members	95	93	100	86,410
ederations with Sections	- 8x	81	100	346,225
wies Peasants' Union	1	1	100	144,37
		_	·	1
Total	6,408	6,242	97.3	870,73

Of these 870,731 affiliated members, 266,876 (30.6 %) are members associations for the encouragement of agriculture generally, 140,4 (16.6 %) for the development of dairy farming, 105,728 (12 %) for development of the co-operation in agriculture, 78.904 (9.1 for livestock improvement, 73,391 (8.4 %) for agricultural insurance. In the conclusions of the enquiry some information was given

In the conclusions of the enquiry some information was given the associations doing economic work, engaged, that is, in trade and production. The societies of such character were 4,256; of these 867 (20.4) were exclusively engaged in purchase, 444 (10.4%) in purchase and sulphoto (0.9%) in purchase and production, 168 (3.9%) in purchase, sale as production, 1,858 (43.7%) exclusively in sale, and especially sale of miles (15.68%) in sale and production, 164 (3.9%) exclusively in production (15.8%) in sale and production, 164 (3.9%) exclusively in production (15.69%) are engaged in the purchase of agricultural produce and for requisites.

The associations occupied in production or transformation are 1,12 974 devote themselves exclusively to dairy work; 19 to cidermake 18 to wine making, 42 to distilling, 10 to both cider making and disting, 8 to the grinding of corn for cattle food; 19 to that of wheat for he and cattle food; 4 to grinding wheat; 35 to other kinds of production

Among the associations of economic character, 2,434 (57.2%) betteir own buildings for their industries.

APPENDIX.

I. Questions which all Agricultural Associations must answer.

	Title of Association
I. Title and head quarters of association	Head quarters
2. In what "year" was the association founded? 3. How many "members" are there now (1909) in t	In the yearhe association
4. In what "political communes" do the member	s live?
5. Who is the president of the association at prese	nt?
6. Who is the secretary of the association at prese	nt?
7. Who is the treasurer of the association at prese	nt?

What are the "aims"	and "duties" of the association?			
•	nswered only by Agricultural Associations for Economic Ends.			
in large quantity by Cattle Food*, Bran*, Grain*, Other Seeds* Oilcake, Straw*, Hay	g "farm requisites" are regularly "bought" the association? Artificial Manure*, Flour for Cereals for Cattle Food*, Flour for Bread*, Potatoes for Planting*, Potatoes for Food*, Agricultural Machinery*, Wine*, Sugar*, Clothes*, Household Articles*.			
Which of the following in large quantities the	of the articles bought. Insert manes of other articles bought in society. In a produce are "sold" articles of agricultural produce are "sold" arough the medium of the association? Milk*, Potatos, Fruit, Wine*, Cider*, Hay*.			
(*) Underline the names quantity through the media	of the articles sold. Insert names of other articles sold in large m of the association.			
mentioned, as collect	possess "real estate", such as is hereunder tive "property,, (co-operative or corporate) for Dairies, Mountain Stables (chilets), Mills stures, Other Cultivated Land,			
(*) Underline the real	estate possessed.			
Date	Name and Address of Correspondent			

Part II: Insurance

GERMANY.

1. THE CONFERENCE OF PROFESSIONAL ASSOCIATIONS R AGRICULTURAL ACCIDENT INSURANCE, AT MUNICH.

SOURCES:

HANDLUNGEN der in det Zeit vom 28 September bis 10 Oktober 1912 in München abgehaltenen Konferenz der deutschen landwirtschaftlichen Berufsgenossenschaften. [Report of the Conference of Professional Associations for Agricultural Accident Insurance, keld at Munich from September 28th., to October 18t., 1912).

In the number of our Bulletin for January, 1912, we showed the general is of the new organization of agricultural accident insurance, laid down the Imperial Order on Insurance issued in June, 1911. A further Order July 5th., 1912 enjoined that the provisions of that of 1911, iting to agricultural accidents should only come into force on Janu-1st, 1913. Therefore, the Munich Conference of Professional Associais for Agricultural Accident Insurance is of special interest, as the last d under the Imperial law of 1900, and we know how the period of nsition preceding the coming into force of a new law always gives rise new and complicated problems. The Imperial Insurance Bureau, the varian Home Department, the Insurance Bureau of the Kingdom of wana and the Bavarian Agricultural Board, were all represented at Conference, and 48 German professional associations for agricultural ident insurance sent one or more representatives. It was the first le Dr Kaufmann, Superior Privy councillor, and President of the Imhal Insurance Bureau, took part in the meetings of a congress of these

In the following pages we shall give the principal reports presented the most important decisions come to.

 Medical Attention during the first 13 Weeks after the Accident the Instructions issued by the Imperial Insurance Bureau on Dec bor 14th, 1911.

The Report was read by Prof. Dr. Sittmann of Munich. He began observing that employers have too long considered the sole object accident insurance to be material compensation in case of a wound or death, without taking into account the effects on the sufferer's min Certainly the tendency of the insured labourers to speculate on their accents, that is to consider an accident as a good way of obtaining an ents, that is to consider an accident as a good way of obtaining an ents, has contributed to this. But both tendencies must be combat not only in the interest of the professional insurance associations, also in the general interest, so that the injured workman may not of go back to his labour hale and fit for work, but also return to previous mental and moral condition.

It was precisely these ideas that inspired the Circular issued by Imperial Insurance Bureau on December 14th., 1911, when it declar that «to assist the injured workmen with money is not the highest du of the professional insurance associations; they must try to help hi to recover as early as possible his fitness for work and consequent the peace of mind that employment gives." Now the first condition i attaining these ends is the speediest possible treatment of the injus workman, because it is only by immediate treatment that the evil effect of the accident may be reduced or altogether got rid of. For this reas the professional insurance associations, while only legally bound to m for the treatment of the workman from the 14th, week after the accident undertake to pay for it during the first thirteen weeks. Theoretical the best way to cure the injured man quickly would be to send is immediately to an accident hospital, where all the resources of some would be available for diagnosis and treatment, and where the tors are generally more experienced in this kind of case. But it not always possible to take him from his family, and, then, ma associations are afraid that the expenses they would incur, if the made a rule of sending the injured workmen to hospitals, would too great. Add to this, that often doctors oppose the foundation such hospitals, as they consider it contrary to their interest; they sert that the centralising of the treatment of wounds in special hosp als not only injures all other private and university hospitals, prevent the study of many interesting cases in them, but it cannot ever considered as an advance from the point of view of treatme as to bring together in one and the same institute so injured workmen may lead to a kind of psychical infection and her to exaggeration and simulation. Prof. Sittmanu held that it was po ible to overcome the above difficulties and that the opposition certain groups of doctors was unjustified and, on the contrary, head

d the foundation of new accident hospitals. At present, the institon which the German professional associations can rely for the tment of their sick have at their disposal 250,000 beds; he held to carry out the Instructions of the Imperial Insurance Bureau at t 30,000 additional beds were needed, which, at the rate of 5,000 is per bed, would cost 150 million marks. In deciding whether to d a workman to an accident hospital or not, it is not so much the ionsness of the injury that is to be considered, but whether the docattending him himself proposes that he be sent or whether he has been k to diagnose the case with certainty. Section 580 of the Imperial Order Insurance grants the professional associations the right to undertake ment for the treatment of the injured even in the period preceding the ment of pension; that is in the thirteen weeks immediately following the ident. But the text of the law expressly states that if the patient is he treated in a hospital, his consent must be first obtained, if he is a her of a family or has otherwise to contribute to the support of his family. some cases however, this consent is not necessary: namely, when e treatment of the patient in his own house would not be possible, in cases of contagious disease, etc. In this connection, Prof. Sittann pointed out the difference between Northern and Eastern Germany, here the prevailing extensive farming requires the employment of a me number of casual hands, few of whom are heads of families, and othern and Western Germany, where, on account of the general inusive cultivation, the number of small landowners, heads of families, is eater. Therefore in the former districts it would be much more seldom cessary to ask for the above consent of the patient than in the latter, il hence, the agricultural and forestry professional associations of South d West Germany would have much greater difficulty in obeying the structions of the Imperial Bureau than those of the other regions. lter showing at length that the medical profession ought not to regard ith distrust the intervention of the professional insurance associations the treatment of the patient in the first thirteen weeks, he formulrd the following conclusions:

(1) Experiments hitherto made have shown there are great differness in the effects of an accident, giving legal claim to a pension, and ness giving no such claim. These differences, which are to the disadntage of the victims of accidents entitled to pension, are seen both the duration and the seriousness of the functional disturbances.

(2) The causes of these differences are to be sought for in the mental id moral conditions and special attention must be given to them if we are to prevent their having sufficient influence to affect the national bancter.

(3) The best means of dealing with these 'moral conditions' — that ay manifest themselves after the accident, without being really a direct resequence of it — are: (a) the speediest possible treatment of organic lucies, even those not likely to give rise to functional disturbance, so to take away all excuse, all ground for unfounded ideas on the part of

the patient; (b) for this purpose a kind of moral reaction is required, efface any damaging impression made on the mind of the patient; (c) is rather as in estimating the diminution of working capacity no accommist taken of the moral conditions.

(4) The most suitable means of attaining this end is that indicate in the Instructions of the Imperial Insurance Bureau of December

14th., IQII.

(5) Many difficulties are met with in the carrying out of the Instructions, some of them relating especially to agricultural and in estry professional associations. These difficulties are: (a) the insufficient number of accident hospitals (especially in the country districts satisfying the requirements of the Bureau; the topographical conditions the means of communication, etc.; (b) the right granted by thelaw the patient to choose his own hospital; (c) the consultation of the interest of the doctor in charge.

(6) In a certain number of cases the patient should be at our placed in an accident hospital, without considering the above difficulties: fortiter in re, suaviter in mode. But in most cases they may be overcome, by interpreting the Instructions of the Imperial Bursa in a wide sense, and taking into consideration the special circumstance

of the patient.

(7) The doctor's moral interest rightly understood will not sufe from this intervention of the professional associations, and any materi

less may be avoided or compensated.

There was also a second report on the same subject by Pnvj Councillor Dr. Schroeder, for more than twenty years occupied in the management of the Agricultural Professional Association of Hesse Nas sau. He observed first of all that the application of the Instruction issued by the Imperial insurance Bureau, recommending the industry and agricultural professional associations to undertake the cost of trail ment of patients even in the period of investigation, is especially di ficult in the case of agricultural associations. First of all, sickers insurance, in terms of the Imperial Order of 1911, will only become compulsory on January 1st., 1914, and at present a large number (agricultural employers insured against accidents are not insured against sickness. In addition, the country doctors are perhaps less ready that others to send patients to a hospital, either because they honest do not see the necessity, as they have no special acquaintance wil Rontgen apparatus, etc., or because they are afraid of losing the reputation in the country, if in every serious case of accident the paties is withdrawn from their charge. But, on the other hand, Dr. Schroed doubted whether the country doctors are sufficiently prepared to exa beneficial influence on the mind of the patient, although he recognis the necessity for the doctor of the association (he would prefer the there were one attached to each section, instead of only to the presiden ial bureau) coming into relation with the doctor treating the patien consulting with him. And after having indicated a few defects in man medical instruction from the social point of view, he ded his assent to the conclusions of the previous speaker, holding the contribution of professional insurance associations to the cost matment during the first thirteen weeks is absolutely necessary, not in the interest of the patients, but even in the real interest of employers and hence of the national agriculture.

Two other Members of the Congress presented reports on the same jet, namely, Prof. Dr. Liniger of Düsseldorf and Dr. Grosse, both hem representing agricultural professional insurance associations of Rhenish Provinces.

Prof. Dr. Liniger told the conference how the Rhenish associations tribute to the initial cost of treatment. He reminded his hearers the 3rd. International Congress for the treatment of victims of dents, recently held at Düsseldorf, had already recognised the great otance of medical treatment within the first 13 weeks from accident and especially the benefits of massage and artificial rements, in cases of fracture, when every care is taken. And he tioned various eases of accidents in the experience of the Rhenish ociation in which the advantages of the prompt treatment of the erer were evident: he laid before the Conference a large number of igen and other photographs (some of them reproduced in the pubed proceedings), showing the ill effects in cases of fracture, especially racture of the thighbone. from the patient being treated at home a small and unsuitable rooms. Prof. Liniger expresses his convicthat on an average, in the agricultural professional associations, y 25 % of the accidents reported should require compensation, but a d medical service requires to be organized before this ideal can be ised; the reports must be promptly forwarded to the confidential tors and to the headquarters of the association, where there must be officer in charge of the medical service, capable of supervising the the of the doctors attending the patients and that of the doctors of association, as also the hospital service, and therefore expert in matter accidents and possessed of a knowledge of the locality.

Dr. Grosse held that the professional agricultural associations should, nwing the example of the industrial associations, give more importer to the organisation of the first aid service, if possible entering agreements with the Red Cross institutions. The Agricultural Assition of the Rhenish Provinces is making an arrangement of this kind in this way it counts on being informed of accidents much more mptly than has hitherto been the case. Meanwhile, it has made a tract with the sickness societies which, in cases of greater urgency, immediately send the workmen, victims of accidents, to an actual hospital of the association, without waiting for the decision of association doctors. Finally, the association is arranging with long medical boards, so that the medical reports of accidents may.

all be made out after the same model and Dr. Grosse considers to advisable the institution of confidential doctors of the association intermediaries between the association and the doctors in charge. It is pleasure finally in the fact that, while, up of the present the professional agricultural associations have been used to occupy the selves with the question of compensation and the most suitable means of treatment only in the 14th. week after the accident, they are no seeking to make provision for suitable treatment immediately after takes place.

Dr. Stabl., Representative of the Agricultural Professional Associate of Westphalia, took part in the debate, declaring himself favourable the centralization of the medical service, in opposition to Privy Council Schroeder, who had expressed the opinion that the treatment of the patients during the period of investigation might be best confided doctors attached to the separate sections of the associations. Only I centralising the medical service in the hands of one person, can we his opinion, have the most certain guarantee that the medical question involved are treated by competent persons.

Dr. Schroeter also, the representative of the Silesian Agricultur Association, spoke in opposition to an observation of Privy Council Dr. Schroeder's, that it was doubtful whether the professional association, in accordance with \$606 of the Imperial Order on Iusurance threat to decrease the amount of compensation if the patient refuse conform to the system of treatment prescribed by the association. Dr. Schroeter held, on the contrary, that, in accordance with \$\$1.583-1.59 followed and 952 of the Imperial Order, the professional agricultural association really have the right to threaten such decrease in the amount of pensation when the patients rebel against the treatment prescribed.

Privy Councillor Noctel, while substantially in agreement with the p senters of the reports, still wished to make some reservations, in accordar with his personal experience as member of the Professional Agricultu Association of Posen. The Instructions of the Imperial Insural Bureau say that the association must, as soon as informed of an acc ent, discover whether the sickness society has occupied itself with treatment of the victim. If it has not, the association must as promp as possible occupy itself in the matter and subject the patient to most efficient treatment. First of all, however, it must ask the opin of the doctor in charge, when this is possible without injury to patient. The speaker held that the best way to meet these requirement and especially the last, would be to send the doctor in charge short! of printed questions in regard to whether it be necessary to under the treatment and how the case should be conducted. These list questions should be sent to the presidential bureau of each sed and from thence immediately to the confidential doctor of the asso tion. In 1910 the Posen Agricultural Association contributed to the to ment of sufferers from accidents, during the period of investigat 834 cases, a total amount of 85,349 marks, while the remaining 47 icultural associations together only contributed in 2,913 cases a total ount of 193,911 marks. And he explained the number of cases in ich the Posen Association contributed, so large in comparison with t of those in which the other associations did, by attributing it to simplicity of the procedure of the Posen Association, on account of ich the patients rarely refuse to accept the system of treatment preibed. He, however, certainly held small hospitals preferable, on the dition of course that they are furnished with the most necessary unical equipment, to large hospitals which are also often remote from place of accident. He drew attention also to the need of obviating danger of hospitals sending home the patients too soon, so that on mn to an unhealtly environment often the benefits of the treatment lost, and he described the agreements entered into with regard to s between the Professional Agricultural Association and the Breslau rident Hospital. He then pointed to a difficulty often met with, which ms not to have been contemplated in the Instructions issued by the merial Insurance Bureau, namely, that the employer often, imdiately after the accident, occupies himself with the treatment of the ferer, without advising the association, and only after the patient is red sends in the account for his expenses. Herr Noetel thinks that these cases the association should refuse its assistance. Endorsing the eas expressed by Dr. Grosse as to the importance of first aid, he entioned that in the province of Posen alone the Professional Agricultural surance Association has founded 100 rural nursing homes. The assoation subsidises them on condition of their binding themselves to wide first aid in cases of accident before the doctor arrives.

Government Privy Councillor Radthe, Sectional President in the uperial Insurance Bureau, spoke next. He congratulated the presenters it is reports on their contribution to the solution of this serious problem, and declared that the Imperial Office in issuing its special instructions if the agricultural and forestry professional associations will certainly ar in mind the experiences of the associations.

Privy Councillor Schroeder spoke last in reply to the remark of r. Schroeter with regard to the right of agricultural associations to meaten the victims of accidents who refuse to follow the doctors' premptions with a reduction of their compensation. He observed that we if this right be admitted, in practice the result will be the same, r while the necessary steps are being taken to enforce it, the time not suitable for effecting the cure will be lost. He then reaffirmed is view in opposition to that of Dr. Stahl as to the advisability of the sociations having a confidential doctor for the presidential office of ach section. According to him, a doctor for each section could examine be reports of accidents more promptly and more carefully than a single octor attached to the presidential office of the association.

2. - Gardeners' Insurance.

The second question proposed for discussion was whether it w advisable or not that the gardeners should withdraw from the professional ional agricultural associations to form an independent gardening a ciation for all Northern Germany. Government Privy Councillor Schroeder presented a report, communicating the results of an enor carried out by him with the object of learning the opinion of the separ associations on the matter. It results from this inquiry that of 481 fessional agricultural associations, II pronounced themselves again the withdrawal of the gardeners, while 30 were unreservedly in fav of it; 2 had not yet given their opinion, and 5 declared themselves favour of the withdrawal under certain conditions. Dr. Schroeder against the idea of the gardeners continuing to belong to the profession agricultural associations in South Germany, while in North Germanyt contemplate the formation of an independent association; he held t they should either continue in or withdraw from all the agricult associations with no distinction between North and South Germany.

On the opening of the debate, Councillor D.r Schroeter move resolution to the effect that if an independent gardeners' association was formed, all engaged in the maintenance of cemeteries and not only the working in cemetery gardens should cease to belong to the profession agricultural associations. Government Councillor Noetel supported resolution, expressing his hope that the question of the participation particular groups in the agricultural or the gardeners' associations midbe settled between them by common accord (1).

3. — Representation of the Professional Agricultural Associations.

The question of the Representation of Professional Agricultural sociations at the Superior Insurance Offices was also rapidly dealt wby the Congress.

The report was presented by the Superior Government Council Eigner. As the Imperial Order on Insurance has greatly limited

⁽¹⁾ The rules of the new Gardeners' Professional Association were approved by Imperial Insurance Bureau, on November 27th., 1912.

ght of appeal of the professional insurance societies and in many set there is no appeal against the decisions of the superior insurance fises, so it is now more to the interest of the professional associations the well represented in questions that come up for the decision of these thorities than it was in the past. Section 1,677 of the Imperial Order lays down that matters relating to accident insurance shall come within a competence of the superior insurance office for the district in which he party insured resides or works at the date the appeal is presented, ferefore it may happen that a superior office at a very great distance om the headquarters of the associations may have to judge a case and fee the proceeding may be very costly. To remove such inconvengue, the report proposed that the professional agricultural associations bould bind themselves mutually to represent each other at the Superior insurance Offices.

Councillors Drs Dreschler and Steinbach observed that the right of the association to refuse this representation must, however, be recognised. while Government Privy Councillor Noetel added that the expenses of the trials should be shared. The presenter of the report agreed to this. and reminded the first two of these speakers that as representative the assohation must conduct itself in the same way as if in an appeal on its account, so that if a professional association is not as a rule represented at the Superior Insurance Office, it will be authorized to whise the representation of another professional association. Counillor Hoefer considered this solution practical; there are many cases in mich representation at the sessions of a Superior Office would lead to an enense out of proportion to the advantages to be derived, and in such taxes it is clear that it is not to the interest of an association to represent another. Government Privy Councillor Bichmann reported that, in the Grand Duchy of Hesse, the Insurance Office has voted that the professional associations should aways be regularly represented in disputes brought before the authorities for decision, since, especially in autumn, in a single sitting many important questions in connection with ecident insurance are decided. However, the Conference approved the esolution of the presenter of the report, in favour of optional mutual representation.

4. — Confidential Agents of the Associations.

The Superior Government Privy Councillor Jung presented a report a the most advisable means of defining the Duties of the Confidential lenk of the Professional Agricultural Associations. Out of 48 professional sticultural associations only 27 have confidential agents and from an analysis carried out by Herr Jung it appears that opinions differ considerations.

erably as to the advantage of the services they rander, whether in cran ining into the accidents or supervising the application of preventy measures. Some associations hold that a confidential agent should be appointed in every commune; others, however, are disposed to assign

them larger districts.

Herr Jung, therefore, held it impossible to establish uniform not for all the associations and considered it better to leave every as chation power to establish in its rules the duties of its confidential aga according as seems to it best. He observed, however, that, and special conditions, the work of the confidential agents as represent the associations in suits before the higher offices has been useful, as a has been their general action in successive inquiries into accidents, a into the conditions of the victims. But according to him their we has not been so useful in regard to the application of measures for the prevention of accidents and the classification of farms. None of the members of the congress desired to speak on this item of the agent

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The Investment of the Capital of the Associations in Undertakings for the Encouragement of Co-operative Personal Credit.

After the proposal to found a Central Institute for the Grant a Credit to Agricultural Professional Associations and the Receipt of the Deposits had been rejected on the ground that the mortgage had already meet the need, the Conference passed to the consideration of subject of the Investment of a Portion of the Capital of the Association in Undertakings for the Encouragement of the Co-operative Personal Cut of the Members of these Associations. Superior Government Priv Councillor Jung presented the report; in his opinion the matter was small importance for the agricultural associations, since in terms (§§ 718 and 719 of the Order of the Imperial Insurance Bureau, only small portion of the capital of the Associations may be invested in the way. Further he considered that the individual members and associations can not borrow from them but the right is limited federations of associations, since only a federation has authority control the work of a single association.

Government Superior Privy Councillor Dr. Kaulmann, President the Imperial Insurance Bureau, was present at the second sitting. I stated the pleasure he had in attending for the first time a content of professional agricultural associations and thus having an opportunit of saying how much he appreciated the work they are doing in such Self sacrificing spirit and for such high humanitarian ends. Although the has already been done to promote thrift among the agriculture.

bourers, still the work of the associations is not yet terminated. We st especially, continued Dr. Kaufmann, supplement insurance by evention. It is further to be regretted in this connection that the mers, on account of their firm attachment to tradition, whether more want of confidence in technical inventions or through rong ideas of economy or other reasons, do not yet sufficiently appresate the great importance of the prevention of accidents.

Many think they will promote the interests of insurance against agriitural accidents, by reducing the preventive measures to a minimum, but

ey should keep in mind that the prevention of accidents is an essential
indition of the diminution of the burdens the professional agricultural
sociations have to bear. The expenditure on preventive measures
int be considered a profitable investment of capital, in the sense that
is largely compensated for by a decrease in the amount of the
misions paid. The experience of the industrial professional associations
infirms this: thanks to efficacious preventive measures some kinds of
tedents either no longer occur or their number is greatly reduced.

And also the consequences of accidents are becoming less serious. Acount muts then be taken of the fact that the application of these preventive easures is far more simple and less costly in agriculture than in maniactures. The example of a few agricultural associations shows that even agriculture the systematic application of preventive measures is possbe as well as profitable; if the other associations imitate them, the lmich Conference will have produced an excellent result.

Dr. Kaufmann ended his speech with the hope that the German inployers may in the futtife always continue their beneficent work, in that of workmen's insurance, inspired, as it is, by a sense of duty. Il those called upon to co-operate in this great social work must be ware that the palm of victory in the contest between the various ations will remain with that one that can obtain the best results in he struggle against human misery and has established the most effictions protection for the poor and the suffering.

6. - Election Procedure.

The next subject on the agenda was in connection with the Proline in Elections to Offices in the Professional Agricultural Associations.

Be Government Superior Privy Councillor Eigner, who presented a lost, spoke of the orders on the subject recently issued by the Imperial Sumance Bureau and proposed to answer the question which of the mous electoral systems were best adapted to the professional agmicultural associations. Section 15 of the Imperial Order on Insurance lays it down that "the representatives of the landowners and employers and of the parties insured must be elected on the system of proportional representation". But this expression includes a whole group of election systems: elections of individual candidates or of a list, and list systems in their turn divided, according as the lists are closed or open.

The speaker expressed himself decidedly opposed to the system of proportional representation, as proposed in the Order on Insurance and after a detailed criticism of the system, he proposed a resolution inviting the meeting to declare itself against the new system, as unsuitable for the purpose, too complicated and not corresponding with the requirements of the professional agricultural associations.

Government Privy Councillor Radike, Sectional President in the Imperial Insurance Bureau, replied, that it was not the fault of the Bureau nor of the Home Office that the Imperial Order on Insurance has enjoined the system of proportional representation.

The Imperial Bureau had to prepare a model of election procedure adapted to all systems, so that every association night choose whichever of the systems of proportional representation seemed

to it most suitable. He then answered the various criticisms α Herr Eigner on the details of the proposed procedure.

Dr. Kaujmann, President of the Imperial Bureau, supported Her Radtke, but at the same time recognised that there was no reason to change the election system in use up to the present and offered a opposition to the resolution proposed by Herr Eigner, which would serve to show Parliament what was the opinion of the agricultura associations in the matter.

After some further observations by the Privy Councillor Andrà an Government Privy Councillor Noctel, the Permanent Commission wa instructed to formulate a definite resolution, taking into consideration the proposals of Privy Councillor Noctel, so as to emphasize the fat that there is no need to introduce the system of proportional representation in the professional agricultural associations and that the system now prescribed is in itself both unsuitable and unpracticable.

7. The Prevention of Accidents in the Application of Electricity.

The Measures for Prevention of Accidents in the Application of Ele tricity on farms next formed the subject of a long debate. We six leave aside the considerations of technical character, and only deal with the economic side of the problem. Government Privy Councillor Not presented a report on the matter. The Imperial Insurance Bureau is

god the agricultural associations, in its Circular of March 5th., to preme a list of measures for the prevention of accidents in the applicam of electricity, and, in answer to the invitation, the Permanent Comssion of the Agricultural Professional Associations, after agreement
me to with the industrial associations, the Imperial Insurance Bureau,
d the electro-technical associations, presented to the Munich Conference
lan for the regulation of preventive measures.

The agricultural accidents produced by electricity have been up to present few in number since the farmer only uses for his work ments of less than 250 volts, not exposing the men to any special ager, and only in the case of some electric threshing or ploughing schines in it necessary to have recourse to 750 volt current. Meanile the rural electric central societies are generally formed and worked large electric firms that apply the preventive measures suggested experience against accidents. But it cannot be allowed that this are of things should continue, when we consider the present extension of application of electrical energy to agriculture. Therefore, it has seemed visible that the agricultural associations should make regulations for prevention of this class of accidents.

The Commission, however, held that the regulation of the production electrical energy and its distribution at high tension should not be instead. In fact, it is extremely seldom that the farmer, who has, for ample, a waterfall at his disposal, produces electrical energy for his nor his neighbours' farms; production of electric current for one's own count is always more expensive than connection with a central electrical society already in existence and the purchase of the necessary poly from it. Similarly, the distribution of high tension currents is a rule included in the ordinary work of large electrical firms, and not individual farmers and hence it is for the industrial professional ascations to establish the measures to be taken to prevent accidents in is connection. The speaker hoped that the Conference would adopt measures proposed by the Commission, without so much difficulty there was in the case of those for the prevention of accidents caused agricultural machinery.

Councillor Hoefer, in his report on a memorial of the Engineer etae and the Saxon Chamber of Agriculture, taking account of the portance of a more extensive utilisation of electricity in agriculture despecially of the co-operative central electric power societies, obvoid that the preventive measures proposed by the Commission were tsuited to the conditions of Saxony, as they impose too many burns, and if they were applied the cost of installation of the central vieties would be considerably increased.

Government Privy Councillor Dr. Schroeder and Prof. Dr. Hartmann, gineer and Sectional President in the Imperial Insurance Bureau, Med Councillor Hoefer's attention to the desirability of uniform les for prevention for the whole of Germany, because only in this ly can the co-operation of the manufacturers of electrical machines

be assured, as they will be careful to conform to the principles establish by common consent of all the professional associations. Council DV Schweder of Breslau observed that in Silesia the small agricultum businesses for the supply of electric power to which the rules put fowar by the Commission would not apply are numerous enough. Still he a cepted the conclusions of the report. Then the various articles of the proposed scheme in accordance with which each professional associate must establish its own rules, were submitted for discussion and approve

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7. - Revision of the Rules for the Prevention of Accidents.

The Conference then passed to the discussion of a theme of mud more general interest, the Revision of the Rules for the Prevention Accidents already established by the Permanent Commission. Herr Node who was charged to report mentioned that already some years ago to Permanent Commission had shown the association the necessity of amend ing the rules for prevention established in 1895; but after the comin into operation of the Imperial Order on Insurance, the Imperial Office itself dealt with the matter and, in its Circular of March 20th., 1912 to the professional agricultural associations, it pointed out some details of the preventive regulations that especially required to be amended. The Conference had now to decide in reference to these. The speaker remarks on the aversion of the farmers for the whole group of preventive me sures, on account of every farm being subjected to strict supervisor on the part of the association. However, it must be observed that it number of accidents has constantly decreased in recent years, which proves the efficacy of the preventive measures, and he adduced, in con firmation of this, certain statistics of the agricultural and professions associations of Silesia and Posen. For example, in the latter the number of accidents for which compensation had to be paid was 2,072 in 199 1,919 in 1908, 1,859 in 1909, 1,664 in 1910, and only 1,547 in 1911 and it was in 1907 that the Posen Association began to entrust the st pervision of the application of the preventive measures to technical en playees. However, experience shows that some of the provisions in the regi ations in force are difficult to apply; further it must be kept in min that §§ 1,030 and 857 of the Imperial Order on Insurance a down that the professional agricultural associations are obliged annual to summinon representatives of the persons insured to examine the reput of the technical inspectors and to take what steps seem best to amen the provisions for the prevention of accidents. It therefore seemed the speaker that a complete and systematic revision of the rules was advisable. An enquiry will therefore be held into the results are obtained by the preventive measures in the case of individual asistions, and the results of this enquiry will be laid before the next frence of the associations.

The Conference accepted the report and proceeded to the discussion

the various subjects in this item of the agenda.

The first speaker on the subject of the Establishment of Uniform missions for the Prevention of Accidents in connection with Agricultural whitery and the Carrying out of the same by all Agricultural Professional summer Association, was the President of the Conference, Superior Govinent Counciller Wissing, Representative of the Association of Upper waria.

He told the meeting that the Bavarian associations have the intennot instituting uniform regulations for the prevention of agricultural
cidents in all Bavaria; however, the work of the associations must be
noticed by a law expressly forbidding manufacturers of agricultural
chinery selling machines not supplied with the safety gear prescribed
the preventive regulations. The Bavarian Chamber of Deputies has
rady pronounced in favour of such a law; for the complete attainent of the object a State law, however, is not enough, but an Imperial
wis wanted, otherwise the competition of factories in States where
is law is not in force, as such factories will be able to sell their matimes cheap, will become dangerous for the others.

Herr Noetel endorsed the remarks of the preceding speaker, adding at the first condition for obtaining a uniform law for the whole Emire on the subject of prevention of accidents in connection with agrithmal machinery is uniformity in the regulations of the various prossional associations in reference to prevention. There are still some sociations, for example, in Württemberg, that have no regulations on a subject: others have, but they differ extremely from those of neighbouring associations. For example, the Posen Association orders that achine reapers be supplied with safety gearing, while the neighbouring Association of Silesia limits itself to prescribing breaks, which the thinical inspectors of the Posen Association describe as dangerous. The property of the propert

In the debate, Dr Drechsler, Councillor of the Treasury, while acceptig the conclusions of the reports observed that the essential thing is o simplify the preventive regulations in force, so as to render them har and intelligible even to the small farmer. Dr Hartmann, Engineer, between that while it would be difficult to establish uniform rules for the whole Empire in regard to rural building—in view of the great diversity in the systems of building in different parts of the country—on the ther hand, such difficulty does not exist in the case of agricultural fachinery, as everywhere the same system prevails with regard to the handacture and employment of machinery.

The President of the Imperial Insurance Bureau, Dr Kaujman again drew Dr Drechsler's attention to the importance of prevents measures, adding that there must be no exaggeration; the small farme will at most have a threshing machine and hence the precautions have to take will be few and simple.

After a few remarks from Counciller Dr Hoefer, and Baron von Volue the proposal of Herr Noetel was approved, to the effect that the Permanent Commission prepare uniform rules on the matter of safety gar for agricultural machines.

With regard to the Rules for Prevention of Accidents in Industria Auxiliary to Agriculture, which cannot be Registered with a Professional Am cultural Association, Herr Noetel, who had been charged to report, men tioned that the Circular of the Imperial Insurance Bureau of March 20th 1912, lays it down that these industries should be subject to the mile of that professional industrial association to which they would belon if they were not auxiliary to agriculture. But he questioned the practicability of this provision, since the agricultural associations are no in a position to supervise the application of industrial regulations. These may also contain provisions not consonant with those prescribed in agriculture; it is therefore well that the permanent commission of the agricultural association should first examine, in each case, whether the industrial regulations apply to industries auxiliary to agriculture. The same should hold in respect to preventive measures in the case of building, when this is not for industrial purposes (for example repairs to a farm house) and the keeping of draught cattle or the maintenance of means of transport, which also are not employments of industrial charges

With regard to the Publication in Foreign Languages of the Rules in the Prevention of Accidents, Herr Noetel, in his report, mentioned § 8480 the Imperial Insurance Order, in terms of which, if workmen ignorant of German are engaged in an undertaking and those speaking one foreign language are at least twenty five in number, the preventive regulations must also be published in such foreign language.

The Prussian Minister of Agriculture, in a Circular of March 5th., 1912 recommended the due application of this principle, which, especially in districts where various languages are spoken, is a guarantee of the principle of nationality. Herr Noetel further added that, in his opinion the best means for making known these preventive rules to the workmen ignorant of German is to instruct them verbally in the matter and expressed his opinion that the principles embodied in the Imperia

must not be too literally interpreted but the individual associashould be left freedom of initiative.

Dr Raufmann agreed with the previous speaker: § 848, par. 4 is only ractical importance when the number of the workmen ignorant of an is more than twenty five; in any case it is well that the reguls should provide also for these cases.

Baron von Richthofen showed the importance of the matter. In Sifor example, there are 569 farms on in which more than 25 kmen are engaged, who do not speak German, but various other langkmen, Russian, Polish, Ruthenian.

Dr Kaujmann observed that even the industrial professional assoons have adopted a similar rule: of course it must be left to the indual employer to decide if these preventive measures should be known verbally or in writing The Permanent Commission of the cultural associations will report on the matter in the course of the 1913.

\$50 again in 1913 the Commission would have to proceed to a sion of the preventive measures, as far as concerns that class of as on which the prescribed preventive measures have not been pted, since, according to the recent Imperial Order, the professional relation has no longer the right to place these farms in a special so finisher risks and make them pay supplementary contributions; his is recognised to be ineffectual and inequitable.

With regard to the Duties of the Technical Inspectors, Herr Noctel tions that § 875 of the Imperial Order, like § 125 of the law of 1909 are that the professional associations are authorized and, on request he Imperial Insurance Bureau, are obliged, to have technical inspect-to supervise the application of the preventive measures and to study conduct of the business of the individual farms so as to judge sy should belong to the association or not and in what class of they should be registered.

The speaker held that it is in the interest of the associations to profor the good working of this service. Perhaps one inspector is
cient for each district of a superior insurance office, so the large
icultural associations will only require two or three. Small associaties must arrange, by forming a federation or entering into agreements
the large one, so that its technical employee may also supervise the
lated societies. The speaker then enlarged on the importance of
pool technical and practical preparation for these employees.

Dr Kaufmann held that the persons best fitted for this work of pection are employees who have come from agricultural schools. By have not only to inspect individual farms, but also to make farmers understand by means of lectures, practical lessons, etc., the potance of the prevention of accidents. Dr Kaufmann declared himfopposed to uniformity: this service can not be organized on uniform is for the whole Empire, but account must be taken of the local conlons. Thus, in some countries, the work of these employees may be

completed by the police or gendarmes; and not in others; but these ferences are of small importance; the essential is that the applicating the rules for the prevention of accidents be methodically supervise experts.

Counciller *Noetel* presented a report on the way in which the ployer may exert the right, granted to him by the Imperial Ordel Insurance, to transfer the charges imposed on him by the regulate for prevention to the manager of the farm, to special inspectors of other employees. While Herr Noetel held that in this case the employed obliged to advise the association in writing, *Dr. Kaulmann*, on the obliged to advise the association in writing, *Dr. Kaulmann*, on the spector of the association, on request, a deed in writing duly signed the parties concerned.



9. - Rules for the Prevention of Accidents and Police Regulation

The subject of the Rules for Prevention of Accidents in relation in Police Regulations gave occasion for more ample discussion.

Herr Noetel mentioned that the Prussian Home Office, in a reconstruction of the necessity of harmonising the rules for prevention accidents issued by agricultural professional associations with the ice regulations for the prevention of accidents. There are still proving in which these police regulations are in open contradiction with rules of the associations and the farmer runs the risk, of double prishment by the association and by the police, if he infringes of the regulations. The Prussian Minister's Circular declares the co-operation of the gendarmes in the work of preventing agricular accidents does not depend on special police orders, but is part their ordinary duty. And Herr Noetel affirmed that generally in province of Posen the inspection of the insured farms, can out by the gendarmes, has up to the present given excellent results.

As the preventive rules of the associations do not take into conseration all the details of agricultural business and their application not everywhere perfectly supervised, the Prussian Minister holds to the existing police regulations on the matter must be maintained; incase the Minister's Circular is important, because in it for the first fifthere is a suggestion of collaboration between the authorities and professional associations.

Prof. Dr. Hartmann, Engineer, held that the want of harmony present existing between the police regulations and the rules for I vention miglit cease, if, in the preparation of new preventive rules, for use of agricultural machinery, account be taken of the wishes of

onties. Councillor Meyer, Representative of the Agricultural Assoon of East Prussia, held that the police have shown themselves best not only to inspect the application of the preventive measures, but to classify the insured farms.

The President of the Congress, Wissing, Superior Government, Count, was of the contrary opinion at least as far as concerns Bavaria, re the farmer is far more sensitive in the matter, and would almost ider the inspection made by the gendarmes as an infringement of liberty.

Dr Schroeder and Councillor Andrà spoke to the same effect, maining that only technical inspectors of the associations can accomplish work of inspection and supervision.

Dr Kaufmann also pointed out that a system of supervision might one province and be inapplicable in another; account must indeed aken of the various economic and political conditions of the country. Notel concurred in this, expressing the hope that in the future prevention of agricultural accidents might be regulated only in aclance with the rules laid down by the professional associations.

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After some communications from members on ordinary business ters, the President of the Meeting, Herr Wissing, thanked those pretior their attendance, expressing the hope that they would ember with pleasure both the city of Munich and the Congress tors. Dr Kauimann interpreting the sentiments of the Congressists ressed their warm thanks to the President for his courteous and artial direction of the work of the Congress; he hoped to be able for ew more years to contribute to the accomplishment of the great k the legislature has assigned to the professional associations and the praid Insurance Bureau. The same sentiments were expressed by Representative of the Posen Association, Von Heyking, speaking in name of all the professional associations.

2. PUBLICATIONS OF RECENT DATE ON AGRICULTURAL INSURANCE IN GERMANY.

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Fersenmaier (A., Regierungstat): Das Viehversicherungsgesetz nebst den Vollzug schriften (Amtliche Ausgabe). (Law on Insurance of Livestock, with the fax Regulations. Official Edition). Karlsrule (Macklot) 1912.

HEILBEHANDLUNG von Versicherten und Fürsorge für Invalide bei der Landesversichen anstalt der Hansestädte im Jahre 1911. (Medical Treatment of the Insured and Ma of Thrift adopted in behalf of the Sick, in 1911, by the Insurance Institute of the Hanse Ta Lubeck, 1911.

OTHER PUBLICATIONS:

- Feuerversicherungskalender, Deutscher, für das Jahr 1913. (German Fire Insurance Year for 1913). Published by Schäfer, Hanover, 1912.
- JAHRESBERICHT des Vereins deutscher Viehversicherungsgesellschaften. (Yearbook of Federation of German Livestock Insurance Societies). Perleberg, 1912.
- MOLDENHAUER: Internationale Fortschritte der Sozialversicherung. (International Pro of Social Insurance). Hanover, 1912
- ROHRBECK (Walter, Dr. Phil., Dr. Jur.): Die Schätzungsgrundlagen bei Hagelschäden.

 teria for the Estimation of Damages caused by Hail). Munich, Steinebach, 1912.
- Sammlung von Versicherungsbedingungen deutscher Versicherungsanstalten. (Collectic the Conditions for Insurance in German Insurance Institutes. Published by the Cor Society for the Study of Insurance). Berlin, 1913.
- WEILANDT (Ernst): Die Feuerversicherung im Dienste der Landwirtschaft. (Fire las ance in relation to Agriculture). Düsseldorf, 1912.
- ZAHN: Die Arbeiterversicherung in Deutschland, ihre sozialhygienische und sozialpolid Bedeutung. (Workmen's Insurance in Germany. Its Importance from the point of of Health and Social Policy). Extract from the Münchener Medizinischen Wochensch Munich, 1012.

ITALY.

1. MISCELLANEOUS INFORMATION

1.—A BILL RELATING TO THE CONSTITUTION OF A "CONSORTIUM COMMUNES FOR INSURANCE AGAINST HAIL."— The Hon. Luigi Monnartini, deptuin for Stradella, recently presented to the Chamber ill for the constitution of a "Consortium of communes" for insuce against hail. We give the test in extenso:

"Art. I. — The vine growing communes of the provinces of Alesdia, Cuneo, Pavia, Piacenza and Turin are authorised to unite to ma mutual insurance society, on the basis of a fixed premium, inst damage from hail. The adhesion of a commune shall in each e be noted by a majority of the councillors provided that within month from the publication of such resolution no objection shall ledged by proprietors representing at least one-third of the vineyards leded in the land of the commune. When the rules of the society we been drawn up by the representatives of the associated communes, I received the sanction of the Superior Council of hrift, they will approved by royal decree.

"Art. 2.—The communes, thus associated, may impose upon the prietors of vineyards and land planted with vines an annual contrition to be fixed by rule and in no case to exceed 25 francs per hectare, is rate shall be collected by the agent of the commune with the same all privileges and the same commissions as for other taxes.

"Art. 3.—Until the completion of the new land survey in the bre-mentioned provinces the Ministry of Finance may consolidate in form of an annual grant to the society, the average of the sums devery year by the Treasury to the provinces as compensation for mage caused by hail."

Considering the interest of the subject it may be desirable to indithe chief points embodied in the rules drawn up by the Contium

The Consortium constituted among the communes of the five provinces we mentioned or by the propietors of vineyards in communes not orging to it, will be managed by an assembly of the mayors or the egates from the associated communes, and its executive body will be deputation of the consortium. It shall work with funds derived from

the contributions of the communes or associated groups. These combutions and all claims for damages shall be paid in the iollow manner:

In each commune during January of each year a municipal α mission shall compile the list of proprietors of vineyards and of α planted with vines and eventually of other lands, separating them if four classes:

- (a) vineyards under intensive cultivation on hill-sides;
- (b) vineyards under intensive cultivation on level ground.
- (c) vineyards with other crops between the vines on hill-sides
- (d) vineyards with other crops between the vines on level grouter. This list, with the quota to be paid by each proprietor, fixed the way about to be described, shall be posted for public inspect during the whole of February, and any person interested may apply against it, first, before the commission and afterwards, before the

munal council which shall deliberate on appeals during the month of he had be delivered to the depute of the consortium, which shall be guided by it in deciding as to compete tion for damages. The annual insurance premium to he paid by a contributor is fixed on the following scale:

for vineyards of Class A, 10 francs per hectare

))))))	B, 7	»	»	»
»))	n	C, 6	D	n	D
»))))	D , 3))))))

The deputation shall also consider the desiderability of re-insume either the whole or a part of the risks undertaken. The extent of the damage caused by hail shall be ascertained through visits paid by a specific commission composed of an expert who is a member of the Consortium the director of the local itinerant lectureship, and two vine-grown experts. The cost of the estimate shall be paid by the Consortium

The claims in each year shall, after deducting the expenses of administration, be paid out of sums received during the course of that yeal levied on the above mentioned scale and should these not suffice to peight-tenths of the damage, the reserve fund may be drawn upon to the extent of one-fourth of its amount in that year. Should a part of the eight tenths still remain unpaid, each indemnity must be reduced the rata. No account will be taken of damage caused by hail which is let than 10 % of the value of the crop.

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^{2.—}Rules for the constitution and working of catelol societies for the mutual insurance of cattle, and for discribing federations.— In the Bulletins for March and July 1911, we describe

e organisation of the Unione Economico-Sociale per i Cattolici Italiani kgamo), based on its new rules which came into force on arch of the same year. It was then shown that the Union through e new rules is now formed of four general departments; (a) for niessional organisation; (b) for co-operative societies and agricultural stitutions; (e) for credit institutions; (d) for prudential and mutual societies. To this last is committed the chief direction of the coerative activity of Italian Catholics in each disctrict, and more espeally the duty of promoting through suitable local organs the establishent of co-operative insurance societies and their grouping in federawith this object, the bulletin of the Union, "L'Azione Sociale" lergamo, No 10, 1912) publishes model rules for mutual cattle inmance societies with a schedule of the more general forms of policy id model rules for district federations at which we shall glance pidly. For individual mutual societies the rules provide that they grant compensation for the death of an animal through disease accident within the limits of a commune. They must also arrange the diffusion among the associates of a knowledge of cattle-raising ith the object of improving the treatment of animals and diminishing k mortality among them.

The insurance must be effected according to certain rules and contions which may be summarised as follows:

First the contract must be drawn up in writing in the form of a scial policy granted by the society. To make it valid, the insured issues must:

- (a) present animals perfectly sound and bearing a distinctive ark:
- (b) if the animals have been purchased, be furnished with the sual legal warranty as to soundness with the right of proving and acking (article 1,505 of the Italian civil code):
- (c) keep the animals well fed: (d) maintain clean and in good sanitary condition all stables and reds — the association reserving the right of inspecting such insured fidings at any time and to verify the sanitary conditions and also to gest improved methods in breeding and rearing cattle;

(e) avail themselves, when necessary, of the services of qualified terinary surgeons:

(\hbar) select for insurance cattle not less than six months old nor lore than twelve years.

During the summers in the mountains insurance is suspended, and ay again come into force on the return of the animal after examinion by a veterinary at the cost of the society. For loss through fire lightning compensation will be made, but not for that arising out of at or total or partial occupation by a military force for any reason, or for damages caused by invasion, tumult, earthquake, inundations other act of God, nor for contagious cattle disease.

The contract, except in special cases, is understood as being me for five years, and the policy is renewed for the same period un repudiated by one of the contracting parties at least three mon previously. A person insured for a longer period or by a contracting parties in virtue of a tacit extension, must before January me each year give notice of the cattle he proposes to insure and depth the requisite amount.

This must be paid in ready money, at a rate per cent of the cap insured, established according to a tariff framed annually by administrative Council. The premium must be paid on taking out policy and on any subsequent modification of it due to an increase the numbers of animals insured, and afterwards annually at in periods for the duration of the policy. The person insured is exemptrom any government tax, or other charge in connection with the policy.

The association pays the cost of management with sums deduction from the quota for insurance. Compensation for all loss or injuried be provided for by the premiums paid, by the sum realised in the sale of the carcases of the injured animals; by the repayments re-insured casualties, or out of the reserve fund. Should these me be insufficient the Council may fix a supplementary rate which mever exceed half the ordinary rate. And should even this provesufficient, the claims must be reduced in proportion, without, hower giving the person insured any claim on future transactions or ontidirectors of the society. When the costs and the amount of competation for casualties have been deducted, the sum remaining must paid into the reserve fund.

According to statutes of this kind, as soon as an animal she signs of disease notice must be given to the mutual society toget with a report on the illness by a veterinary surgeon. The society me then order the sale, slaughter or isolation of the animal which is infected or suspected. If the animal should die, the insured permust inform the association, even though he may have previously given the order of the disease, and he must have the carcase bled according the usual rules, at his own expense.

When the animal has died or been slaughtered the mutual social shall have the carcase valued at its own expense according to curreprices, and according to the value of the animal previous to illness accident. Should the insured person not be willing to accept it decision, he may ask for a second to be given by persons repressing both sides, from which there will be no appeal. The association shall sell for its own benefit the carcases of animals which have died been slaughtered, if pronounced to be saleable or eatable. Otherwithe insured person must provide at his own expense for burial at disinfection.

Should he not comply with these conditions he shall, according circumstances, incur loss of his right to compensation, or shall have pay a fine.

Of associations thus constituted all may be members who possess the in the district if they can give guarantees of honesty and neither my on a trade in cattle nor insure them in other offices.

After due consideration the council of administration may expel from

association any member:

(a) who does not attend to cleanliness:

- (b) who does not take due care of insured animals;
- (c) who does not attend carefully to the prescriptions of the erinary;

(d) who refuses to carry out prophylactic vaccination;

(e) whose payments have been in arrears for eleven months:

(f) who attempts to defraud or bribe;

(g) who disobeys the statutes;

(i) whose conduct is in any way unworthy of a member of the eciation.

The council, composed of seven members elected by the general embly of associates meets once a year and in addition to transactithe ordinary business of the society, must exercise continual vigil-x over insured animals, and their treatment when ill, inspect rhouses, etc., and compile statistics of mortality among cattle in acdance with the instructions of the local federation.

The federation is intended to unite the local mutual societies and ording to its rules its objects are as follows:

- (a) the collective representation of federated mutual societies;
- (b) the development of moral and economic solidarity among the almutual societies;
- (c) the collection of statistics of mortality among cattle in order fix the tariff of insurance;
- (d) the defence and protection of the rights and interests of the lety;
- (e) the organisation and objects of inspection and of courses of traction;
 - (f) assistance and advice to federated mutual societies;
- (g) re-insurance of federated societies, prescribing the necessary ms, or the facilitating of re-insurance by fixing the maximum risk be undertaken by the local mutual societies.

(h) propaganda by means of articles, pamphlets and lectures. Federations similar to those above described may, if necessary, ide themselves into sections, the functions delegated being in each

e defined by a resolution of the federation.

They will be legally constituted as co-operative limited liability spanies with unlimited capital the shares being of 25 fraucs, in the ne of the holder. At the time of purchase, one-tenth of the sunt of the shares must be paid in cash, the rest on the demand the council of administration. Every member must purchase at least share, but no members may hold more than fifty. All profits st for the first five years go to the reserve fund; after which 25 per

cent will be sufficient, and the rest shall increase the dividends of the shareholders, but in such a way that no one shall receive more the four per cent on the paid-up value of his shares. Should there he residue it shall go to the reserve fund.

In case of the dissolution of a federation, the net profit remaining after liquidation shall be divided among the affiliated societies in propition to the shares they hold.

Local federations, organised as above described, must join the Italian Federation of Mutual Insurance against Mortality in Catt which, in its turn, is united to the General Office of Prudential at Mutual Aid Societies, an integral part of the Economico-Social United for Italian Catholics.



3. — The programme of the Italian federation of mutual a societies for 1913. — On November 17th., 1912 the delegates from the Italian Federation of Mutual Aid Societies met at Milan. The Secreta General, Signor Antonio Vergnanini, described the programme of we for the current year of which the following is an outline:

I. The organisation and progressive development in all parts Italy within limits to be laid down according to circumstances, denetwork of permanent offices in direct touch with other organisation and with the working population, in order to give unity of aim at action to the movement of co-operation and mutual aid, and to plan end to the existing conditions of isolation and independence.

These offices will be for propaganda, supervision, technical, administrative and financial assistance, and the system of organisation was be identical throughout.

The offices will be called "Prudential and Co-operative Lectureships and will be under the direction of a central office at Milan in the primises of the League of Co-operative Societies, and the Federation Mutual Societies.

- 2. Propaganda for the popularisation of State institutions for t promotion of thrift and for the protection of labour by entrusting the management, with the needful guarantees, to the working men of cerned.
- 3. Inquiry into the resolutions and deliberations of those of gresses of prudential and co-operative societies (I) not yet carried of or only partially carried out, with a view to ensuring the intert and support of the parliamentary group of friends of co-operation and to drawing up and promoting bills without delay. Among to more urgent needs are bills relating to the legal recognition of multi societies, to co-operative farming, to unemployment, to credit to coopse

⁽I) See Bulletin for Nov., 1912, page 51, and for Dec., 1912, page 89.

we societies, to cheap housing, to taxes on savings and on increased to of shares.

4. Efforts to induce the government to take measures for the removal obstacles hindering the government itself, provinces, communes and mable institutions from carrying ont public works already planda to bring the various departments into line to work for this lect.

The above programme was unanimously approved by the meeting.

(From Co-operations italiana, the organ of the above-mentioned Pederation, Milan no. 1010, 23 Nov. 1912).

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4 — AN ITINERANT LECTURESHIP OF RURAL THRIFT AND CO-OPER-10N was officially inaugurated and constituted on November 24th., 1912 Reggio Calabria, as a section of the National Committee of Agricultural operation for the South of Italy. According to its rules its obts are:

(a) to conduct propaganda for the establishment of co-operative intinstitutions of various kinds, and to encourage small proprietors, and, and especially peasants and agricultural labourers to become motors of such institutions;

(b) to popularise the rules for the constitution and working of these tiutions (mutual cattle insurance societies, societies for insurance inst fire, hail and accidents, for the enrolling of members in the timal Thrift Bank, and for educational purposes) exercising over all se the necessary supervision and establishing federations for resurance.

(c) to diffuse, especially among tenants and small proprietors, a whelge of hygiene in the breeding and rearing of cattle, and of the 15 regarding co-operation and insurance.

The Lectureship will be extended to the three Calabrian provinces d to the Basilicata,

(From La Mulualité Agraria, Rome, No. 22, 15th. Dec., 1912).

5.—RECENT MEETINGS DEALING WITH THE QUESTION OF MUTUALITY. In North Italy, towards the end of 1912, many meetings of mutual arance companies were held. (1) One of these was convened by the tional Mutual Fire Insurance Federation at Turin on November 10th.,

(1) From the 20th to the 22nd Oct. 1912 there was held also a national assembly, of infacturers and representatives of institutions which insured against accidents " to conmodifications of the law of the 31st. Jan., 1904, and of the regulations of the harch, 1904, referring to accidents to workmen.

to make a formal application to government for the exemption from taltion of the sums which local mutual societies allocate to their reservind at the end of each working year.

Dr. Mario Casalini proposed a resolution calling on the Minister Agriculture and of Finance to introduce a bill in favour of mutual agricultural societies which should in the first place grant the desired exemption, and in the second simplify and regulate the constitution and wor ing of these societies, determining their principal features and organish the institutions of supervision and reinsurance.

Another resolution was proposed by the engineer, Guido Mikelli, encourage mutual fire insurance companies to unite in an insurance syndicate for mutual guarantee against the more serious risks, and appoint a special commission to make the necessary inquiries.

At Piacenza another meeting was held under the auspices of the Humanitarian Society of Milan. A report having been read by Dr Az Cerlini, it was decided to form a provincial federation among the mutual societies of working men to encourage the mutual and co-operation movement in the provinces. The Hon. Giovanni Raineri then propose a resolution- to extend the benefits of the Maternity Savings Bank 1 cently established so as to include all working women, and consequent those working in rice-fields. Finally Commendatore Paretti, director the National Thrift Bank, dealt with the question of pensions for working people.

In another meeting held recently at Cremona a resolution was passed on the need for reform in the law relating to the legal recognition of mutual aid societies, and another resolution calling for the introduction of a bill to extend to agricultural labourers compulsory insurant against accidents, already in force for factory workers. (I)

Lastly, in a fourth meeting at Vimercate (Monza), Dr Del Bospo on the subject of agricultural mutual cattle insurance, pointing out the exponence importance of mutual cattle-insurance societies when their working is assured for a long period of years. He considered that the kind of mutual insurance was that in which there is a fixed premiur paid in advance in proportion to the value of the animals, thus avoid the well known inconvenience of the system of a premium paid by it stalments, and by making possible the formation of a reserve fund gird better security to the peasants. He also showed how mutual cattle is surance might contribute to the development and improvement of cattle raising and assist efforts to prevent diseases in cattle. Accordingly following resolutions were passed:

(a) that new associations be constituted on the principle of a fine premium paid in advance and that those working under the installing premium system adopt this principle;

(b) that in every rural commune there be a mutual society of ised as above;

^{• 📮&}quot; (I) On the 7th. Nov. the establishment of a provincial federation among multiple societies was announced at Cremona.

(c) that the government, with the sums accruing from the tax on slaughter of calves now by a recent law (I) to be devoted to live stock movement should give large grants to well organised mutual cattlemance companies to assist them in their efforts to improve breeds of the and check disease.

(From La Mutualità Agraria, organ of the National Committee of Agricultural Mutnality Rome, No. 20, 15th. Nov., 1912).



- 6.—LEGAL CONSTITUTION OF THE NATIONAL FEDERATIONS FOR MUTUAL, THE INSURANCE AND FOR FIRE INSURANCE. In order better to in their objects, and more especially to enable them to effect re-insure, these two societies have obtained legal recognition. They have 1 founded for the following purposes:
- (a) to encourage, in agreement with the National Committee of mairty, the formation of small local mutual societies grouped in distributions to help those already formed and those about to be med:
- (b) to make provision, directly or indirectly, for assistance and ection of the administration and finances of federated societies;
- (c) to compile statistics, publish reports and undertake any other iminary work in connection with re-insurance;
- (d) to organise re-insurance.

The Federations will prepare the rules bye-laws, and books for iated societies, and undertake their protection and defence.

(From La Mutualità Agraria, Rome, No. 17, 1912).

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⁽¹⁾ The law of July 6th., 1912, for the increase of cattle raising.

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Part III: Credit

AUSTRIA.

STATISTICS OF SAVINGS-BANKS FOR THE YEAR 1910.

SOURCES:

INSTIK DER SPARKASSEN in den im Reichstate vertretenen Königreichen und Ländern für das Jahr 1910. (Statistics of Savings-banhs in operation in the countries represented at the "Reichstat" for the year 1910). Statistics published by the "KK. Statistische Kommission". New Series, Vol. 7, 2nd. part, Vienna. Gerold, 1912, 4°. pp. 38+93.

The importance of savings-banks in Austria is especially noteworthy relation to the interests of agriculture, the greater part of the capital d by them in deposits being invested in mortgages. Moreover, ne of these savings-banks have founded special branches dealing exsively in loans on land values by means of the issue of bonds. These call branches are the ten following:

Ι.	Pfand briefenanct	alt der	Steiermärkischen	Snarkasse	Gratz

2.	*	der Ersten Oesterreichischen Sparkasse, Vienna.
3.	,9	der Bukowinaer Sparkasse, Czernowitz;
4.	>	der Ersten Mährischen Sparkasse, Brünn;
5.	»	der Böhmischen Sparkasse, Prague;
6.	*	der Allgemeinen Sparkasse und Leiheanstalt,
		Linz;
7.	79	der Gemeinde-Sparkasse, Gratz;
8.	Я	der Prager Städtischen Sparkasse, Prague;
9.	»	der Sparkasse der Stadt, Innsbruck;
10	*	der Zentral-Sparkasse der Gemeinde, Vienna.

It is therefore interesting with regard to agriculturists to follow the wement of savings-banks in Austria, to study the importance of the econic forces at their disposal, and to ascertain what proportion of their pital is invested in mortgage loans and more especially in operations of id credit.

A recent important publication, the "Archiv jür Bodenkredit der $B_{\theta p}$ rischen Handelsbank zu München" the work of Dr Fritz Schulte, directs of the Archives and of the Statistical Office of the Bavarian Commercial Bank, gives much information about the work of these institutions is regard to land credit operations during the long period ranging from $B_{\theta q}$ to 1910.

It is not, however, our intention to deal with the work of the special late credit institutions dependent on the savings-banks. Leaving this subjet to another time, we will proceed to a brief examination of the general position of the Austrian savings-banks during the year 1910, as based on the Official Statistics published during the year 1912.

Number of Savings-banks. — At the end of the financial year 1911 the number of savings-banks amounted to 669, as against 655 in the preceding year. There were founded, therefore, 14 new banks, as compare with 5 founded in the previous year; 11 in 1908 and 14 in each of the years 1906 and 1907. Out of the 14 savings-banks opened in 1910, 4 well founded in Bohemia and 2 in Dalmatia and in Bukowine.

As shown in the following table, the 14 new savings-banks establish in 1910 were either municipal (13 banks) or were organised by distinguishments (1 bank); in no case was a bank founded by the co-operation associations (Vereinssparkasse).

Distribution	of	the	Savings-banks	according	to	character.
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	Number of Se		
Category of Savings-banks	1909	1910	Variations
Municipal Savings-banks	540	553	+ 13
Co-operative Savings-banks	7I	71	-
District Savings-banks	44	45	+ 1
Total	655	669	+ I4

Most of the Savings-banks are in Bohemia (240), in Moravia (8 or in Lower Austria (83). Taking area into consideration, in 1910, one sings-bank existed for every 448.44 square Km. and with regard to popul tion, there was on an average one savings-bank for 42, 702 inhabitants.

Rate of interest on deposits. — The Statistics before us present interesting data on the variations in the rate of interest paid to depositors in the year 1010, as compared with the preceding years.

The normal rate of interest (the rate which as a rule and in the absence of special fluctuations becomes established by each institution) between 1896 and 1901 showed a tendency to rise (from 3.88 % to 402 %

fell in the four following years to 3.89 % in 1905, but, in 1906 it began a more to rise and in the last financial year reached 4.04%.

Of the 14 savings-banks founded in 1910, four fixed the normal rate interest on deposits at 4 %, four others at 4 ¼ %, three at 4 ½ % and at 5 %. At the time of the publication of these Statistics two of the les had not yet completed their balance.

During the last five years the savings-banks existing in each of could be divided as follows according to the normal rate of interest to the depositors.

Distribution of the Savingsbanks according to the normal rate of interest paid to depositors from 1906 to 1910.

Normal rate			Years		
of interest (per cent)	1906	1907	1908	1909	1910
	1	-		-	_
. ¹ / ₂	34	18	11	10	7
1/10	24	12	3	3	2
7/10	9	I	2	2	2
2/4	132	7 ¹	53	56	53
⁸ / ₁₈ · · · · ·	11	3	2	1	2
34/ ₁₈₀		1	1	1	
	369	458	498	498	505
1/8			-		I
¹/ ₁₀		- 1	1	1	1
1/4	18	26	27	35	46
4	21	35	30	24	23
%		2	2	_	
	6	13	19	23	24
1/2	-	-	I	1	I
				Ì-	
otal of the Sav-	1		_	_	
ings-banks	625	639	650	655	667

The rate of 5 ½ % which since 1889 had not been paid by any bank, 3 reestablished by one savings-banks in Galicia.

The number of savings-banks which paid 5% on deposits reached maximum of 217 in 1879 and in 1910 was 24.

The number of those which were able to pay a minimum rate of intetof 3 ½ has also diminished rapidly: there were 62 in 1904, 18 in 1907, 11 1910. On the other hand, the number paying 4 % on deposits has been creasing steadily. It was 365 in 1906 (out of a total of 625) and r_{08} 505 in 1910 (out of a total of 667).

Rate of interest on mortgage loans. — Almost all savings-banks gramortgage loans; during the last 5 years all except three transacted structures.

In 1910 there were variations in the rate of interest on mortgage l_{R} in 70 Savings-banks; out of which 44 raised the rate of interest while lowered it.

The rate of interest on mortgage loans has varied from 4 to 8 %, the commonest rate of interest between 1906 and 1910 was 4 $\frac{1}{2}\%$, 1 average rate has risen during these years from 4.73 % to 4.79 %.

The distribution of Austrian savings-banks according to the estable ed rate of interest on mortgage loans, is shown in the following table

Normal rate of interest on morrgage loans granted by Savings-banks	1906	1907	1908	1969	1916
4	3	3	_	_	_
4 2/10	3	1	1	l –	_
41/4	5 9	30	19	16	13
43/10 • • • • • • • • • • • • • • •	5	4	-	l –	_
41/2	262	255	242	268	28
4 6/10	2	3	3	3	
43/4	114	136	155	182	18
4 8/10	-	_	r	I	1
5	130	* 149	165	121	11
51/4	4	8	5	6	10
51/2	13	18	16	15	14
6	16	17	26	26	26
61/1	7	5	7	7	10
7	4	7	6	6	(
8		-	1	1	-
Number of Savings-banks which have not granted mortgage loans	3	3	3	3	
Total of Savings-banks	625	639	650	655	66

Statistics of Savings-banks accounts. — At the end of the working yet 4,262,108 savings bank pass-books were in circulation. During the yet 624,918 were issued and 482,105 were annulled, an increase of 142,8131

number of savings-banks accounts. The increase during the last five is has always been high as shown in the following table:

				s	avii	Number ogs-bank pasa-books	Increase				
Years						in circulation	in actual figures	per cent			
1006 .			٠.			3,711,977	104,230	2.89			
1907						3,860,935	148,958	4.01			
1908						3,996,548	135,613	3· 5 3			
1909					٠	4,119,295	122,747	3.03			
1010 .						4,262,108	142,813	3.47			

If we compare the number of inhabitants with the number of passhis issued, we find that there were, at the end of the year 1910, 14.9 s-books per 100 inhabitants, with a maximum of 33.5 per 100 in per Austria and of 31 per 100 in Salzburg and a minimum of 0.3 per inhabitants in Dalmatia and 3 in Bukovina. During the last 5 years, m 1905 to 1910, the average proportion of pass-books per 100 inhabnts increased from 13.1 to 14.9. It is interesting to follow the distribution by value of the savingsth accounts of 1910 and to observe the movement from the year 1900 the last working year.

				Number of Savings-bank accounts during the years				
assification according of deposits			1900	1905	1910			
exceeding 200 CI	owns.		. {	1,248,385	1,389,197	1,692,975 1,256,910		
200 to 1.000	ע		.	1,064,878	1,143,844	548,636		
1,001 0 2,000			-	404,496	469,885			
2,001 1 4,000			-	271,822	333,472	4 09,7 87		
4.001 a 6.000			.	93,915	123,060	155,473		
6.001 3 8,000	D			44,651	55,482	72,377		
8,001 1 10,000	,			26,825	31,843	40,661		
10,001 p 20,000	3			33,363	45,784	60,828		
ceeding 20.000	,			10,384	15,180	22,461		
	Total			3,198,725	3,607,747	4,262,108		

Circulation of working capital. — In 1910 the deposits reached 05,621,822 crowns (58,880,730 or 3.58 % more than the preceding year) the payments to 1,610,256,957 crowns (73,762,421 or 4.80 % more in the preceding year). The circulation of capital was very favourable, the normal rate of interest of 4.05 % (against 3.95 % in 1909) the accu-

mulated working capital increased from 3,183,235,628 crowns on deposit the end of 1909 to 3,315,878,779 crowns in 1910 with an increase of 4.17 during the last working year as compared with the previous year.

The average value of savings-bank accounts increased steadily du_0 the last years rising from 1,321 crowns in 1906 to 1,418 crowns in 1910, w_1 over the same period the proportion of the sums deposited to the pq_0 ation gave an average for each inhabitant of 173 crowns in 1906 and crowns in 1910.

Total deposits. — At the end of 1910 the sixth milliard of crowns; exceeded for the first time. In the statistics of the preceding years, are struck by the rapid increase in the capital accumulated by the saw banks. In the brief space of 5 years, from 1906 to 1910, deposits increase by 1,297,299,394 crowns. This noteworthy increase is due principally Bohemia (467 million crowns) and to Lower Austria (342 million crowns)

The increase in deposits from 1906 to 1910 is shown by the follow figures:

	1906	1907	1908	1909	īgto
Sum total of deposits, in crowns	4.904.416.675	5.077.304.571	5.393-899.ori	5.769.946.157	6.045.173£

As this continued increase is of great practical importance we mexamine the forces which have produced it. The statistics under examine the forces which have produced it. The statistics under examine to prove that the increase of disposable funds in Austrian savings-based deprincipally to the accumulated interest on capital already depreted and not withdrawn.

	Years								dep	ess of new osits (+) or of ments ()	Increase of interest	Total					
											 				ir	millions of crown	
1906														_	21.59	178.13	15
1907														—	18.66	191.54	17
1908										•				+	112.61	203.99	31
1909														+	110.25	215.80	32
1910	-	-		•		•		•	•			•		+	95-35	229.86	32
1906-	19	10												+	277.98	1,019.32	1,29

The Investment of Savings-bank deposits. — More than half (57.58 %) capital deposited in savings-banks was invested in urban or rural age loans. With the statistics for 1908-09 we are able to compile allowing table:

Nature of the investment	1909	1909 1910			
ngage loans	3,5 70 ,043,686	3,763,345,318	+ 5.41		
age)	264,062,241	315,741,669	+ 9.57		
ms on bills of exchange	205,812,138	22 2,438,166	+ 8.08		
ms on bonds and securities ,	75,024,590	75,222.082	+ 0.26		
sonal loans	3,585,791	3,782,480	+ 5.49		
reable property	1,566,076,576	1,651,425,781	+ 5.45		
destate	9 8,479,48 2	99,569,032	+ 1.11		
seits with Credit institutions	291,211,794	265.518,537	8.82		
h in hand	39,531,696	42,179,329	+ 6.70		
er assets	86,298,181	86, 963 ,871	+ 1.33		
Total	6,200,125,875	6,526,186,265	+ 5.26		

The mortgage loans (comprising those granted to communes on gage and amounting in 1910 to 167,408,320 crowns) have steadily ased. The increase has been especially noteworthy in 1910 (5.41 % impared with 3.72% in the preceding year).

Years	Mortgage	Increase compared of the preceding	with that g year	Percentage of mortgage
	loans	in crowns	of of	all other
15	3,097,440,390 3,208,894,814 3,329,831,767 3,442,153,795 3,570,043,686 3,763,343,318	+ 111,454,424 + 120,936,953 + 112,322,028 + 127,889,891 + 193,301,632 + 665,904,928	+ 3.77 + 3.37 + 3.72 + 5.41	59.6 60.0 57.6

Unfortunately the official Statistics do not make any distinct between the urban or rural nature of the property on which mortgage are granted. Although even this distinction would not suffice to show exact amount of savings bank capital which was actually invested it vour of agriculture, yet, within certain limits, it would serve to show broad general movements in the investment of the national saving mortgage loans.

The importance into which the aggregate of mortgage loans graby the Savings-banks has grown, makes it desirable that the sums dependent on the urban and rural mortgage loans should be definitely ascertaine future. While in 1909 this aggregate amounted to 3,402,619,374 cm (deducting, that is to say, the mortgage loans granted to commute mortgage loans granted by public land credit institutions and joint-stock mortgage banks amounted in that year to 2,508,059 crowns.

CHILL

MORTGAGE CREDIT IN CHILL.

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In an article which appeared in the last number of our Bulletin, poke of the organisation of mortgage credit in Chili, and in particular be Caja de Crédito Hipotecario, the most important institution for tagge credit.

Before treating of other establishments for this kind of credit, we id recall to our readers that the above bank was founded by law of it is not precisely a State bank, but an institution for the benefit of public. It facilitates the granting of mortgage loans and their repaytat long maturity in annual instalments. For this purpose it issues tage bonds which the mortgager negotiates for cash. The success his institution is very remarkable; the amount of the bonds, which 1868 was 4 millions of pesos, had increased in 1910 to 205 millions, in the same year the reserve fund had risen to about 7 millions of pesos.

Thanks to the good and solid organisation of the Bank, its page favourably accepted on the international money market.

And now we come to the subject of private mortgage-banks, are savings-banks, these establishments being closely connected.

§ 1. PRIVATE MORTGAGE BANKS.

The organisation of these banks is modelled on that of the Caje Crédito Hipotecario, founded by law of August 29th., 1855.

The same law authorised the establishmet of private mortgage of it banks, granting them the right to issue bonds of the same value those of the Bank.

Such banks may either be constituted by associations of proping who contract guaranteed loans on their landed property, or of capita who grant mortgage loans; or they may have a co-operative basis (L schaften type(I)).

In the first case the Bank issues bonds to the amount of mortgage in its favour, and gives them to the mortgager in second case, it gives him cash to the value of the mortgaged property or, the Bank may issue bonds of a corresponding value, and regulation on its own account. Banks thus constituted are subject to the rules as the Caja Hipotecaria and the limited liability companies; manager must be appointed by the President of the Republic, who lects one of three persons proposed by the Board of Management.

Limited liability companies are also regulated by the Comme Code (Arts. 340, 425, 426) which establishes their special form, such a society may have a legal existence it must be authorised by a de of the President of the Republic and a similar authorisation is neces for any modification of its rules, or for lengthening or shorter the term for which it is founded. These banks cannot stipulate the debtor should repay the capital in a lump sum or issue instrument credit other than mortgage bonds (for example orders to bear neither may they engage in any speculation or industrial business.

However, the law permits them to conduct all operations in on tion with mortgage business. Therefore, these mortgage banks an already stated, negotiate their own bonds, advance money to facilithe conversion of mortgage debts, and purchase credits and other for the purpose of fulfilling their obligations etc.

The prevailing opinion is that they may not issue promissory not though for some time they did issue them. This class of instrument credit constitutes a promise to liquidate a debt in a comparativelyst

⁽¹⁾ See Balletin of Economic and Social Intelligence, Year IV, No 3. pages 90 and lowing, and year I. No. 1. pages 45 and following.

e, a year at the farthest, the sum due to be paid all at once, and is sopenly contrary to the spirit of the institutions authorised for morteredit by the Chilian law, which provides that the mortgagee can only the repayment in annual instalments. Therefore it is the common that such transactions are inadmissible for mortgage bonds. In these banks are withdrawing their promissory notes from circulation have ceased to issue them.

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In accordance with these legal provisions, several private mortgage is have been established in Chili; some of them as independent blishments, others as sections of already established banks which had if then transacted banking operations generally without specialising, the first class belong:

The Banco Chileno Garantizador de Valores (Santiago); The Banco leno Garantizador del Sur (Concepción); The Banco Hipotecario de paraiso; the Banco Nacional Hipotecario i Agricola; The Banco Pour Hipotecario and the Caja de Credito Territorial, (Santiago).

On the other hand, the following banks of a commercial character estarted mortgage sections: Banco de Chile; Banco de Valparaiso, 100 Agricola, Banco Commercial de Chile, Banco de Santiago, Banco de 164, Banco de Concepción.

Of the first mentioned banks the only ones still existing are the wo Chileno Garantizador de Valores and the Banco Hipotecario de Vasio; the others have been liquidated. Of the sectional banks mended, some have been liquidated and the rest absorbed by the Banco observation de Chile, established by the Banco de Chile and formed by the on of several of the commercial banks already mentioned.

These three mortgage banks of private character are permitted to sact business other than strictly mortgage business. Hence we see the law of 1855 has been interpreted in a wide sense. However, only refers to operations guaranteed on real estate of the first rank, chexplains the credit and high quotations of the bonds.

The 1855 law has been interpreted in an equally large sense in rect to the nomination of managers, as, in the case of private banks, real manager is nominated by the share-holders, whilst the Governationly appoints a deputy manager for general supervision. This cial has to examine the accounts, sign mortgage bonds or promissory es given as security, and supervise the drawings of bonds and the burnof those expired.

The importance of these various banks is seen in the following table ich shows the extent of the circulation of their mortgage bonds:

Name of Bank	Bonds in Circulation on	Issued in 1910	Paid off	In Circulation on December in
	December 31st., 1910	in pesos	1910	
Banco Hipotecario de Chile	62,256,100	24,215,900	9,652,500	77,819,y
Banco Garantizador de Valores .	32,332,500	6,480,500	5,177,900	33,635,100
Banco Hipotecario de Valparaiso	5,068,600	2,941,000	874,400	~,635, 20 0
Total	100,657,200	33,637,400	15,704,800	118,589,80

When we consider that at the end of 1910 the issue of bonds by the Mortgage Bank amounted to \$204,077,000, we see that the issues of particle banks correspond to 57.8 % of those of the State Mortgage lawful ution.

At the end of 1912 the financial situation of the Banco Hipolean de Chile was as follows: Regulation capital \$10,000,000; paid up capit \$6,000,000; reserve fund \$1,000,000; dividend fund \$258,180; amout to be paid in dividends \$480,000, which corresponds to 8 % per half we or 16 % per year.

§ 2. SAVINGS BANKS.

These are directly connected with mortgage credit inasmuch as the disengaged funds are invested exclusively in mortgage bonds.

A decree of May 14th., 1860, which put in operation article 126 of the law of August 29th., 1855 relative to the establishment of the Caja 1 Crédito Hipotecario, empowered the Board of Management of that ban to allot half the profits from interest overdue to the foundation an encouragement of Savings Banks. These, for their part, were oblige to invest their funds in the purchase of mortgage bonds of the Caja.

For many years the reserve fund formed by means of this interes was inconsiderable. Not till 1883 did the Board of Management of the Caja deem it opportune to profit by the already mentioned decree. The the Caja Hipotecaria founded a savings-bank with a double object: (so facilitating the investment at interest of small sums which would otherwise be spent unproductively (b) of having a customer bound to buy its mortgage bonds.

It was not possible however, to extend the operations of this bank manches over the country without endangering its success; it was fore decided at first to limit the branches solely to the province of lago.

The Savings Bank was endowed with 50,000 person to be repaid thally to the Caja Hipotecaria: then it was decided to grant it an alsubsidy that it might be able to provide for its working expenses of its own resources.

Thus, in 1884 there arose the Savings-Bank of Santiago worked on same principles as similar institutions in Europe. It pays 5 % est on deposits. In 1905 there arose successively 14 other Savings-is in various provinces, viz. at Tacna, Iquique, Antofagasta, Ia a., San Felipe, Valparaiso, Curicò, Talca, Chillan, Concepción, 1600, Valdivia. All these depend on the Cafa de Credito Hipotecario 1eir head office but they are subsidised by the State.

At the close of 1910 a new law was passed intended to give them a r organisation and a new impetus. This law came into force on ary 1st., 1911.

As the various banks (except that of Santiago), are subsidised by the which furnishes the Caja Hipotecaria with funds, the law now places under a State Central Savings-Bank (Caja Nacional de Ahor-The Savings Bank of Santiago, however, continues to exist along

the National Bank, which it represents in Santiago.

The National Savings Bank is dependent on the Caja de Crédito Hipoio, which has the special duty of managing and inspecting its various cles. The Bank of Santiago, however, has its own board of man-

Each of the various branches of the National Bank acts as a Central for the whole of its district in which it has many agencies, the Post α and the Treasury agencies.

Even at the end of the first working year (1911), the benefits arising this new organisation were observable. At the close of 1910, the us savings-banks when they came to be under the National Bank, only 12 in number (not counting that of Santiago) and had a total 1525,874 pesos in deposits, in 206,140 accounts. At the close of 1911, banks numbered 13 with eight branches and 79 agencies, and the desamounted to 26,502,310 pesos in 256,181 accounts. Three more 183 banks are in process of establishment. An innovation has been duced by the National Savings Bank, viz. the use of stamps on cards he purpose, which allows of the saving of very small sums (for integration of the saving of the saving of the saving of very small sums (for integration), which otherwise would probably be spent. In six months, 19 pesos worth of these cards were sold. They are of various values 20 c. to 1 and 5 pesos.

The importance of the Savings Banks in Chili may be estimated not much by their actual condition as by the rapidity of their develop-

t, as is shown in the following table:

Amount of Deposits in the Savings Banks
Dependent on the "Caja Nacional de Ahorros" and their Branches

Savings Banks and Brauches	Year of Establish- ment	Amount of Deposits at the End of December,	Amount of Deposits at the Rnd of December, 1911	Increase of Deposits in 1911	Average per Deposit in 1910
	ĺ	(pesos)	(paper)		
Tacna	1909	329,407	510,885	181,478	
Iquique	1904	2,528,266	2,779,296	251,031	
Antofagasta	1905	2,787,873	3,381,650	593,777	
La Serena	1907	1,005,884	1,705,077	699,192	
San Felipe	1910	332.227	910,200	577,974	
Valparaiso	1901	5,947,989	6,351,798	40 3, 80 9	
Curicò	1907	597,397	66,307	268,910	
Talca	1905	1,333,617	1,634,461	300,844	
Chillán	1905	1,087,074	1,413,615	226,541	
Concepción	1904	2,014,894	2,276,704	261,809	
Temuco	1907	610,721	848,291	237,570	
Valdivia	1905	850,526	1,384,554	534,028	
Rancagua	1911	_	31,234	31,234	
Taltal	1911		236, 76 7	236,767	
Tocopilla.	1911		463,393	463,393	į.
Almendral .	1911	_	285,798	285,798	
Puerto Bran-	1911		293,048	293,048	
Viña del Mar ches	19 11	-	246,064	246,064	1
Quillota	19 11		332,028	332,028	
Llay-Llay .	1911	_	130, 5 63	130,563	
Talcahuano.	1911	-	220,022	220,022	_
Total	\$	19,525,875	26,301,755	6,775,880	
Various deposits.		_	200,556	200,556	
,	fotal	19,525,875	26,502,311	6,976,436	

So we see that in one year the deposits increased in the proportion of %, exclusive of those in the eight branches which did not exist in 1910. To these data we may add those of the

Savings Bank of Santiago.

In the y	еат	٠		٠				•		1884	\$	76.224
,,	,,	٠			•	•	•	•		1885	,,	284.351
17	٠,	•	٠	•	•		•	٠	٠	1890	,,	1,776.763
,,	,,	٠		٠	•	•	•	•		1900	,,	3,390.965
,,	,,		•		•		•			1910		13,433.482
"	,,		•	٠		•				1911		19,636,071

Thus, at the end of 1911 there was a total of deposits in the Savingsks of 46,138,381 pesos.

This result fully justifies the financial burdens imposed on itself by State in order to encourage saving, the fruits of which will afterwards expended in behalf of agriculture. In 1911 the Government granted am of 560,000 pesos as a subsidy to cover the greater part of the work-expenses.

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We do not wish to close this article without special mennof the Agricultural Bank, which is empowered to make small loans the peasantry, in addition to its ordinary business. It represents the tstep taken in Chili towards personal agricultural credit. Instituted 1911 at Graneros by the Caja Hipotecaria on the initiative of its mannorm, M. Luis Barros Borgoño, it is an off-shoot of the Savings Bank of tidago. Its deposits must be invested in mortgage bonds; it has been igned however a special fund by which it can grant discount and short m loans to farmers in the neighbourhood. The sums lent must be lied to agricultural purposes, such as improvement of the land, rease of production, preservation of products etc.

This institution only began to act in 1912, so it is too soon yet to ak of the results obtained by it.

UNITED STATES.

THE SOURCES OF RURAL CREDIT AND THE EXTENT OF RURAL INDEBTEDNESS.

By GEORGE K. HOLMES. .

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PART I.

INVESTIGATIONS PRIOR TO 1912
CONCERNING RURAL CREDIT AND INDEBTEDNESS.

§ I. FORMER SOURCES OF CREDIT!

In discussions of the organisation of rural credit in the United State it is well to exclude the credit that is given by the seller to the purchase of real estate, which is usually secured by the return of a mortgage. The class of credit makes no demand on the credit market and consists of much thing more than an exchange of legal documents—a deed for a mortgage and usually some unborrowed cash.

Banks and insurance companies. — Previous to the agitation and complaints of farm debtors, which attracted national attention about the middle of the ninth decade of the former century and continued to years, and also during that period, credit had been obtained by farmer under onerous conditions, if at all, throughout large areas of the Unite States. The national banks, not having power to loan on mortgag security, were only a small source of credit to farmers and then out to the more wealthy ones.

There were some savings banks in a few States and these were lend ers to the extent that they had money to loan. There were many private banks and bankers from whom farmers obtained loans at high rates of interest and there were some individual lenders of money among neighbours and in nearby towns and cities.

Loan agents began to multiply rapidly about 30 years ago in the north ern half of the Mississippi Valley and especially in the more recently cultivated regions; the principals of these men were Eastern life insurance companies and other possessors of large amounts for loaning.

Mortgage companies. — About the same time mortgage companies began to be organized to do business, chiefly in the northern half of the Mississippi Valley, and to some extent in the Southern States. Many

these companies did a very profitable business and many others failed.

c credit provided by them was an important portion of the supply at time, but their business as conducted was of uncertain duration.

c affairs of these mortgage companies have never thoroughly been made subject of history and it is now difficult to collect much information in regard to them.

The Honourable L. M. Shaw, Secretary of the Treasury under Preent McKinley's administration, was a banker in the State of Iowa, rominent agricultural commonwealth in the northern half of the Misippi Valley, during the time when mortgage companies were first merous. At the request of the writer of this article, he supplies some ormation with regard to credit conditions 20 to 30 years ago in the t of the country mentioned

"There were a large number of mortgage companies - a thousand more - who did a farm loan business in the Northwest during the hties and nineties," he writes. "Nearly all, perhaps quite all, of them o guaranteed their mortgages, failed. Those who did not guarantee ir mortgages prospered. The unguaranteed mortgages proved to much better than those that were guaranteed. The Lombard Intment Company was perhaps the largest of these companies. They la very wide clientèle and could sell anything. They were in many tances imposed upon by their local agents, and, without definite inmation covering the wide range of territory in which they loaned, they de some bad loans. When the depression which followed the panic of goccurred they could not meet their interest on guaranteed mortgages. "There was a crop failure in 1894. Millions of acres of maize in State of Iowa, not to mention Nebraska, Kansas and the Dakotas, mever picked. Acres of it did not yield a bushel to the acre. Farmcould not pay their interest, and then the Eastern holders of these rigages, with customary want of wisdom, put every company into kruptcy that they possibly could, placed their mortgages in the hands nexperienced Eastern lawyers to foreclose, and sold the land for what y could get. Millions of acres were sold under \$10 an acre and are 7 worth \$125. These same people that took these Western mortes recognize only one error in what they did. They think they were vise in taking the mortgages. They were wise in taking the mortgages, vise in putting the companies that knew about them into bankruptcy. "From 1888 to 1802 anybody could organize a mortgage company h or without capital, and float loans, provided that they were guareed. The best and most conservative purchasers of farm mortgages will not take one that is guaranteed. They recognize that no guary is sufficient in case of real disaster, and that reputation is a suffictguaranty against any possible error in judgement on the part of the il agents.

"You ask whether they issued bonds or debentures. The business conducted in every way known to man. Mortgages were sold with without guaranty. Bonds and debentures were issued.

"You ask to what extent they sold mortgages to banks and i dividuals. They sold them by the million. As a rule the banks nechased on the reputation of the men who made the loans. Few of the lost any money. These loans were made on agricultural lands and i property, but I have been speaking particularly of agricultural lands and in There are a large number of mortgage companies, probably a three sand or more, still doing business, that are older than 1900. Many the defunct companies went out of business without any fault of the own and because they were they creatures of circumstances. Other became foolish enough to think that the could loan in a half dozen State without being misled by agents. A hundred or more—perhaps seve hundred—who loaned in restricted territories where they were a acquainted and did not guarantee their mortgages, fared well, and the clients fared better."

§ 2. INVESTIGATIONS CARRIED OUT.

Comparatively little was known concerning rural credit in the tited States previous to 1890. During the few years previous to that ya a demand for information in regard to mortgage debt grew out of the wispread discontent among farmers and working men and the discussion of persons interested in social science. This led to an investigation the problem in 1887 by the bureaux of labour statistics of several Stand before 1890 work in this direction had been completed or begun the bureaux of Illinois, Michigan, Connecticut, Ohio, and New Jers

Mortgage statistics obtained in the execution of the tax laws been published also by California, and had been obtained from the retu of county clerks in Texas and published by the Commissioner of Age culture; in Ohio, the Secretary of State had published reports of cour recorders for a series of years showing the number of real estate mogages made, the debt incurred under them, and the number and amount of the cancellations of record; while in Indiana the Bureau of Statist had for several years published incomplete reports of the number a amount of the recorded real and chattel mortgages and of the record satisfactions.

At its annual meeting in 1888, the National Board of Trade requested the Department of State to obtain information in regard to mortgate in foreign countries and the results of the efforts of that Department were published in November and December, 1889

Real estate mortgages in 1890. — Under the Act of Congress provided for taking the Eleventh Census (1890) the Superintendent of Census required to "collect the statistics of, and relating to, the record indebtedness of private corporations and individuals." This estrated dinary addition to the regluar census work was the consequent of c

one and their probable fate under a tendency which was supposed increasing their number and their burden.

required "to ascertain the number of persons who live on and cultitheir own farms, and who live in their own homes, and the number hire their farms and homes, and the number of farms and homes in are under mortgaged, the amount of mortgage debt, and the value aproperty mortgaged. He shall also ascertain whether such farms homes have been mortgaged for the whole or part of the purchase ey for the same, or for other puroposes, and the rate of interest paid a mortgage loans." An appropriation of one million dollars was made any the expenses of this investigation.

Real estate mortgages in 1900 and 1910. — In the census of 1900, mg the subjects covered were the tenure of farm homes and other mes and the fact of mortgage or no mortgage for farm homes and other mes occupied by the owners, but no attempt was made to ascertain amount of mortgage indebtedness.

In 1910 there was a renewal of that portion of the "farms and homes" estigation of 1890 which ascertained the amount of the mortgage ebtedness on farms operated by owners, and there was also a repeting of the work of the two preceding censuses for ascertaining the tenure farms and other homes and the number of those that were occupied owners under mortgage.

Discussions and investigations in 1912. — The investigations mention-constitute the principal and, indeed, nearly all of the sources of inmation with regard to rural credit in the United States previous to 1912. this year Mr. David Lubin, delegate from the United States to the Perment Committee of the International Institute of Agriculture, foreing that the time was ripe for taking steps toward the cheapening of incultural credit in the United States and to ward increasing the supply credit to farmers, effectively brought to the attention of the public opositions for organizing co-operative credit associations among farmers and of establishing mortgage banks somewhat after German and French models.

Public opinion was aroused by Mr. Lubin's suggestions and these ere discussed in probably all of the newspapers and magazines, and the mmercial, financial, and trade papers of the nation. In the meantime the resident of the United States became interested and by his direction veral ambassadors to European countries began to collect information is reports. Hearings were held by committees of the National Congress, lany special articles were written for publication by financial experts held numerous public addresses delivered. Late in the year the Secrety of Agriculture published some of the results of a special investigation lede by him to ascertain local conditions with regard to agricultural edit.

Such is merely an outline of steps taken in investigation and discuson in the United States concerning rural credit.

§ 3. CENSUS RESULTS.

Some of the results of the censuses of 1890, 1900, and 1910 may condensed to small tables to exhibit the number and percentage of morty ged farms and the amount of mortgage incumbrance on them. The fam was the statistical unit in 1890 and in 1900, but for 1910 the writer is or pelled to use the number of farms for the reason that the Bureau of the (nsus had not tabulated the statistics of farm tenure for 1910 with the fam as the unit at the time when this article was written in the last days of to

Table I exhibits the number of farm families (a_1) or farms (a_2, a_3) int United States in the three census years mentioned, the number of families (b_1) , or of farms operated by hiring families (b_2, b_3) , and the number of families owning the farms operated by them $(a_1 - b_1)$, or the number farms operated by owners $(a_2 - b_2, a_3 - b_3)$. Of the last class (farm owning is ilies or farms operated by owners, there is a subdivision into the class of "under mortgage" (c_1, c_2, c_3) and "free of mortgage" (d_1, d_2, d_3) .

It is unnecessary further to explain Table I except to explain the graphic divisions of States. The grouping of States in the plan adopt agrees with that of the Bureau of the Census. The States of each groare contiguous and the groups have been so constructed as to industates of approximately similar economic conditions. Pollowing a list of States in the nine divisions adopted:

- I. New England. Maine, New Hampshire, Vermo Massachusetts, Rhode Island, Connecticut.
- II. Middle Atlantic. New York, New Jersey, Pennsylvan III. South Atlantic. Delaware, Maryland, District of Columb Virginia, West Virgnia, North Carolina, South Carolina, Georgia, Flori
- IV. East North Central. Ohio, Indiana, Illinois, Michiga Wisconsin.
- V. West North Central. Minnesota, Iowa, Misson North Dakota, South Dakota, Nebraska, Kansas.
- VI. East South Central. Kentucky, Tennessee, Alabar Mississippi.
- VIÎ. West South Central. Louisiana, Texas, Oklahoma, Arkans VIII. Mountain. — Montana, Wyoming, Colorado, New Mexi Arizona, Utah, Nevada, Idaho.
 - IX. Pacific. Washington, Oregon, California.

Tenure and ownership under mortgage. — Table I becomes more sinificant when converted into the percentage found in Table II. Intitable it appears that 65.9 per cent. of all farm families owned their fam in 1890, 64.4 per cent. in 1900, and 63.0 per cent. in 1910. Of the families owning their farms 28.2 per cent. owned subject to mortgain 1890, 31.1 per cent. in 1900, and 33.6 per cent. in 1910.

The trend, therefore, is toward tenancy in the tenure of farms at also toward a larger percentage of mortgaged farms of those that a operated by owners.

	Total	Total farm families or farms	r farms		Hiring		Unknev	Unknown tenure
HOSELAID DIEGERALDO	0681	0051	0161	1890	0061	1910	1900	0161
	(a1)	(6)	(6)	₹ -	(rq)	(p ₀)		
The Pugasia	100,301	167,057	188,802		20,717	15,015	1,212	1
Middle Atlantic	470,040	488,724	468,379		126,023	104,271	2,978	!
South Atlantic	772,596	261,198	1,111,881		427,710	510,429	159'9	1
East North Central	199'650'1	1,135,895	1,123,489	272,288	296,799	303,507	7,114	
West North Central	938,998	1,038,667	1,100,048	251,820	301.006	342.618	7.860	1
East South Central	700,056	800.410	1.042.480	237.502	422.420	802802	A 288	
West South Central	8	2000	90.00	2000	ect-cet.	201/3	3	
	2000	744,003	5.2	234,920	302,119	497.505	5,973	
Woland than 1	02,305	103 932	183,440	9,223	14,562	19,690	1,349	1
Pacine	107,220	141,206	189,891	22,845	31,528	32,733	1,382	!
United States	4,767,179	5,698 901	6,361,502	1,624,433	2,013,903	2,354,676	41,314	
The second secon		0	Densing and operating	operating		-		-
Canaraphic division		Under mortgage		ц	Free of mortgage		Unknown mortgaged	whether 1 or free
	1890	1900	1910	1890	006r	0161	1900	orei
	(1/3)	(8)	3	(4)	(d _a)	(op)		
New England	40,730	55,040	58,474	118,717	100,341	108,938	3,742	9 8
Middle Atlantic	130,770	140,881	134,803	222,197	208,729	217,257	10,113	2,976
South Atlantic	31,080	83,858	110,198	387,381	416,425	474.742	26,554	8,214
East North Central	288,359	320,128	327,463	479,014	491,856	473,822	866,61	7,759
West North Central	330,070	314,431	346,182	357,099	395,918	404,555	19,452	8,200
East South Central	16,234	74,712	114,195	346,320	364,961	388,837	19,519	7.420
West South Central	11,955	64,243	132,252	238,995	289,585	299,303	20,888	9,350
Mountain	7,511	12,161	33,060	45,631	72,508	125,940	3,352	1,844
Pacific	24,240	611,62	55.407	60,135	76,355	95,202	2,815	1,324
United States	886,957	1,094,573	1,312,034	2,255,789	2,422,678	2,588,596	126,433	48,092
	-	_	-		_	<u> </u>	1	

TABLE II. — Percentage of farm families in 1890 and of farms in 1900 and 1910, by tenure.

		Perc	entage of to	otal farm is	milles	
Geographic division		Owning			Hiring	_
	1890	1900	1910	1890	1900	19
New England	86.9	88.9	92.0	13.1	11.1	8
Middle Atlantic	7 5.2	74.1	77.7	24.8	25.9	22
South Atlantic	54.2	55.2	54.I	45.8	44.8	. 45
East North Central	73.8	73-7	73.0	26.2	26.3	27
West North Central,	73.2	70.8	69.1	26 .8	29.2	30
East South Central	51.8	51.4	49.3	48.2	48.6	50
West South Central	51.6	50,9	47.2	48.4	49.1	52
Mountain	85.2	85.8	89.3	14.8	14.2	10
Pacific	7 8.7	7 7.5	82.8	21.3	22.5	17
United States	65.9	64.4	63.0	34.1	35.6	37

	Perc	entage of t	otal farm fa	milies own	ing and ope	rating
Geographic division	U	nder mortge	ıge	Fr	ee of mortg	age
	1890	1900	1910	1890	1900	1910
New England	2 8.2	34.1	34.9	71.8	65.9	65.1
Middle Atlantic	37.0	40.3	38.3	63.0	59.7	61.7
South Atlantic	7-4	16.8	18.8	92.6	83.2	81.2
East North Central	37,6	39.4	40 .9	62.4	60.6	59.1
West North Central	48.0	44.3	46.1	52.0	55.7	53.9
East South Central	4 ·5	17.0	22.7	95.5	83.0	77-3
West South Central	4.8	18.2	30.6	95.2	81.8	694
Mountain	14.1	14.4	20.8	85.9	85.6	79.2
Pacific	28.7	27.6	36.8	71.3	72.4	62.2
United States	28.2	31.1	33.6	71.8	68.9	664

Parm mortgage debt of 1910. — The amount of mortgage debt that cumbered farms operated by owners in 1910 is exhibited in Table III geographic divisions. It is necessary to make a series of estimates undertaking to establish the full amount of this debt for the reason at on a large fraction of the schedules of census enumerators no reports in made of the amount of mortgage debt, although it was reported that a farm was mortgaged. Apparently it is proper to apply to these farms e average debt of the farms for which the amount was reported, and is has been done in Table III.

Of the 1,312,034 farms operated by owners reported in 1910 to be ortgaged, 1,006,511 were reported with the amount of indebtedness, ich aggregates \$1,726,172,851, or an average of \$1,715 per farm. When is average is multiplied into the total number of farms operated by owns and reported to be mortgaged, the total mortgage debt on these ms, both reported and estimated, amounts to \$2,293,160,278. About othirds of this stupendous debt incumbers farms in the northern of the Mississippi Valley, a region of unexampled agricultural prosenty.

Table III. — Mortgage debt on farms operated by owners, 1910.

(Consus).

	Number of		rting mortgage lebt	Average for	Computed for
Geographic division	farms with mortgage debt	Number reporting	Amount of debt	reported farms	all incumbered farms
New England	58, 4 74	53,791	\$ 58,553,508	\$ 1,088	\$ 63,694,564
Middle Atlantic	134,803	118,220	178,326,219	1,5 0 8	203,406,166
East North Central , .	327,463	257,884	459,886,968	1,783	593,143,690
West North Central	346,183	236,975	608,480,562	2,568	889,412,446
South Atlantic	110,198	86,522	73,597,258	851	91,925,359
Fast South Central. , .	114,195	85,282	59,769,643	701	79,557,660
West South Central	132,252	96,687	121,365,670	1,255	165,317,190
Mountain	33,060	26,731	59,364,185	2,221	73,406,13
Pacific,	55,407	44,419	106,846,838	2,405	13 3,297,06
United States	1,312,034	1,006,511	1,726,172,851	1,715	2,293,160,27

Increase from 1890. — A comparison of the mortgage debt on farms perated by owners in 1910 with the amount of 1890 shows an enormous acrease, both in body of debt and in rate of increase. The mortgage ebt of 1890 on the farms of the description given was \$1,085,995,960, and 20 years later the amount of this description of farms had grown be \$2,293,160,278. The debt had more than doubled.

It is possible to make comparison with another class of real est mortgage debt in 1890. The investigation devoted to real estate mo gages in the census of that year ascertained that there was a mortgate debt of \$2,209,148,431 on areas expressed in acres. These areas included nearly all farms, but also included mining and forest areas not embracing farms, and uncultivated suburban areas not yet subdivided into bailing lots.

It appears in the comparison that the mortgage debt on farms, erated by owners in 1910 was a little greater than the entire mortgage dept of 1890 on land that had not been subdivided into urban and suburblots. The comparisons may be found in Table IV.

TABLE IV. — Amount of real estate mortgage debt, 1890 and 1010.

	18	lgo	1910
Geographic division	On areas expressed in acres	On farms operated by owners	On farms operated by one
New England	\$ 103,901,400	\$ 44,512,14 3	\$ 58,535,5al
Middle Atlantic	3 93, 6 83 ,95 2	234,538,777	178,326,216
South Atlantic	117,982,984	33,665,166	73,597,25
East North Central	551,238,725	336,156,531	459,886,96l
West North Central	643,213,327	341,286,412	608, 480,561
East South Central	84,797,356	12,432,680	59,769,64
West South Central	99,932,625	11,924,086	121,365,67
Mountain	52,796,579	10,905,181	59,364,18
Pacific	161,601,483	60 ,574,984	106,846,83
United States	2,209,148,431	1,085,959,960	1,726,172,851

Ratio of mortgage debt to farm value. — The great increase in far mortgage indebtedness during 20 years can be explained by other and While this indebtedness has been increasing, the value of the mortgage farms also has been increasing even in a greater degree than the indebtedness has, as appears upon examination of Table V. While the mortgage debt grew, as has been stated above, the value of the mortgage farms increased from \$3,054,923,165 in 1890 to \$8,399,854,498 (part estimated) in 1910.

Consequently, while the mortgage debt on farms operated by oners in 1890 was 35.5 per cent. of the value of the mortgaged farms, t similar mortgage debt of 1910 was only 27.3 per cent. of the value of t mortgaged farms. The facts are presented in tabular form in Table but without details for geographic divisions.

KE V. — Value of incumbered farms and other homes occupied by owners:

and amount and percentage of incumbrance thereon.

	Ow	ned and incumbered	,
Camification of homes, and year	Value	Amount of incumbrance	Percentage of incumbrance of value
Farms φ μο (partly estimated)	\$ 3,054,923,165 (1) 8,399,854,498	\$ 1,085,995,960 2,293,160,278	35·55 27·30
Other homes	2,632,374,904	1,046,953,603	39.77

⁽i) Estimate based upon "percentage of incumbrance" for reported farms, and estimated total imbrance of all farms.

Average incumbrance and value. — The value of mortgaged farms tated by owners and the mortgage incumbrance thereon have been werted to averages by geographic divisions, and the ratio between mortgage debt and the value of the mortgaged farms has been comed with results which may be found in Table VI. A comparison is possibetween 1890 and 1910.

The average value of a mortgaged farm operated by the owner in 10 was \$3,444 and for 1970 the average grew to \$6,289. High average was are found in the Middle Atlantic, Mountain, and Pacific States and haverage amounts of mortgage debt are found in the West North tral, Mountain, and Pacific States.

The average incumbrance on a mortgaged farm operated by the ownin 1890 was \$1,224 and by 1910 the average had become \$1,715. In latter year the highest average mortgage was \$2,568 in the West th Central group of States, a region in which the average was below it for the United States in 1890.

The ratio between debt and security has already been stated for United States. The percentage expressing this ratio has declined in 35.5 in 1890 to 27.3 in 1910. The percentages for the geographic is in 1890 ranged from 30.1 for the Pacific States to 43.3 for the it South Central States, while the range for 1910 is from 23.4 per cent. the Pacific States to 34.5 per cent. for the Middle Atlantic States.

TABLE VI. — Average value and incumbrance of mortgaged farms open by owners, and ratio of mortgage debt to value, 1890 and 1910.

Geographic division	Average	e value	Average in	cumbrance	Mortga as a pe	ge det rotatus rains
	1890	1910	1890	1910	1890	191
	ĺ				Per cent.	Per
New England	\$ 2,356	\$ 3,417	\$ 952	\$ 1,088	40.4	31.
Middle Atlantic	4,151	4,368	1,794	1,508	43.2	34
South Atlantic	2,698	3,124	1,083	851	40.2	27
East North Central .	3,507	6,227	1,166	1,783	33.2	28
West North Central .	3,074	9 ,965	1,034	2,568	33.6	25
East South Central .	1,767	2,382	766	<i>7</i> 01	43.3	29
West South Central .	2,331	5,006	997	1,255	42.8	25
Mountain	4,562	9,277	1,452	2,221	31.8	23
Pacific	8,312	10, 291	2,499	2,405	30.1	23
United States .	3,444	6,289	₹,224	1,715	35.5	27

§ 4. Total agricultural debt.

The attempt is made for the purposes of this article to estimate amount of the agricultural debt of the farmers of the United Sta Perhaps it is not desired that all details of the process shall be sta and it may be sufficient to indicate the general nature of the steps to

The mortgage debt on the real estate of farms operated by on has already been determined to be \$2,293,000,000, including an estimation amounting to about one-fourth of the total.

The most difficult estimate to make is the amount of real s mortgage debt on farms occupied by tenants. It will not do to a to this the average mortgage debt on farms operated by owners, tenant farms are often comparatively small holdings and this is pecially so in the case of cotton plantations that have been subdivinto tenancies. There are about 800,000 cotton tenancies and most these may be eliminated as either being free of debt or as having t debt reported in the statement of the owner for the home part of plantation. In addition to this there is very little mortgaging of and plantations in the cotton States.

Another large class of tenant farms that are invariably free mortgage is composed of farms owned by elderly men who have farmers for many years and have retired from active life on the far

with children or to maintain homes in towns and cities. These gs are well-to-do men and their farms are free of mortgage. There immense number of them.

I may be stated as a general fact that tenant farming is poor farming be United States. The tenant does not work under such restriction and requirements as are prescribed in the best European managet and the tenant will deplete the capital of a farm unless he is closely roised. Such a farm becomes less and less acceptable as mortgage rity and if already under mortgage the indefinite continuance of lebt is not safe as in the case of most farms operated by owners. These litions are not everywhere found, but they are sufficiently prevalent ause a smaller mortgage debt on tenant farms than on those operated writers and also sufficient to make the percentage of mortgaged farms ated by tenants much below the percentage for owned farms.

It seems probable, therefore, that a real estate mortgage debt of 0,000,000 is an ample estimate for the tenant farms and, if so, the inum debt on all farm real estate is not more than \$2,793,000,000. The investigation of local credit conditions made by the Secretary of iculture in the autumn of 1912, already referred to (1), established many Jasions that are useful in estimating the amount of other items of cultural debt. The estimate of the amount of the cotton crop liens illustrate, The value of the cotton crop to the farmers in 1912 was at \$850,000,000. It was ascertained in the investigation referred to t, in 7 per cent of the counties where cotton is raised, no liens are ad on the crop by operating owners and that in 2 per cent of the nties, no liens are placed on the crop by tenants. The farms in these nties may then be eliminated.

It was ascertained in that investigation also that where liens are ed on the cotton crop, about 42 per cent of the operating owners do and about 74 per cent of the tenants. The complementary percents indicate turther eliminations from cotton farms of those that have cotton crop liens.

The cotton crop of the remaining farms were subject to liens amounting perhaps three-fourths of its value and the resulting computation determs the debt represented by cotton crop liens to be about \$390,000,000. The owners and tenants whose crop is subject to lien, about one-fifth owners and about four-fifths tenants. Of the entire number of cotton as about one-third are operated by owners and about two-thirds by ants.

For computing the amount of the liens on crops other than cotton, investigation of the Secretary of Agriculture provides some of the tors. The cotton farms are substantially all to be subtracted. An averlien greater than the cotton crop lien is adopted and a total amount

⁽i) The result of this investigation will be indicated in the second part of this article, it will be published in our next issue.

of \$450,000,000 on crops other than cotton is estimated. The deba in this case are about one-half owners and about one-half tenants.

Again, in the case of making an estimate of the amount of montage debt on farm chattels, the investigation of the Secretary of Agriculta is useful. Various State investigations of this subject indicate appropriately the average amount of the chattel mortgage debt and an estimately the average amount of the chattel mortgage debt and an estimately of \$700,000,000 results. The debtors are about equally divided between

Little attention has heretofore been paid to the unsecured cet given to farm owners and tenants by country merchants and for this reage the investigation by the Secretary of Agriculture included this subject The credit in this case is given in the form of goods—of groceries, clothin farm supplies, and machinery. The result of the computations that has been made indicate that there is an unsecured debt owing to local mechants by operating farm owners and tenants amounting to alm \$250,000,000, about two-thirds of the debtors being owners and one-thirds.

There is a miscellaneous class of debts owing mostly by operate farm owners and in a much less degree by tenants, consisting of use ured debts other than those owing to local merchants. The adoption of \$417,000,000 for this item can hardly be regarded as the result of computation. There are many farmers who can and do obtain from ban such loans as they need to make, upon presenting a promissory not usually containing the name of an endorser. There are unsecured debt also owing to physicians, undertakers, the manufacturers of implement and machinery, and also to dealers in them.

As a result of the computations that have been made, it seems put able that the amount of the agricultural debts of the farmers of the United States is as great as \$5,000,000,000. The debt of agricultural labourers is not included. This, however, is comparatively small.

Upon converting items of debt into percentages of the total, it appears that about 55.9 per cent is represented by real estate mortgages, about 14.0 per cent by chattel mortgages, about 9.0 per cent by liens of comporter than cotton, about 7.8 per cent by cotton crop liens, and about 5.0 per cent by unsecured debts owing to local merchants.

TABLE VII. - Agricultural debt, 1910.

		F	or farms operated by	
Item	Total		Owners	Tenants
	Amount	Perc.	Amount	Amount
al estate mortgages	\$ 2,793,000,000	55-9	\$ 2,293,000,000	\$ 500,000,000
tton crop liens	390,000,000	7.8	About 1/5 in number	About ⁶ / ₈ in number
her crop liens	450,000,000	9. 0	About ⁸ / ₆ in number	About ⁸ / ₈ in number
attel mortgages .	700,000, 000	14.0	About 1/2 in number	About 1/2 in number
counts, unsecured, with local merchants	250,000,000	5.0	About ² / ₃ in number	About ¹ / ₂ in number
scellanous, for farm urposes, unsecured, m farm property,				
n make round total	417,000,000	5,0	_	
Total	\$ 5,000,000,000	100.0		
Note Debt of agr	icultural labourers no	t inclu	led.	

§ 5. MORTGAGES TO SECURE PURCHASE MONEY.

Attention has already been called to the fact that as the value of m real estate has advanced, the real estate mortgage dcbt has also vanced, although in a less degree. The common procedure in buying arm in the United States is to advance a portion of the purchase money is ecure the payment of the remainder by giving the security of a mortge on the real estate. As already stated (§ 1), transactions of this sort an make no demand upon the loan market and the business is performby exchanging the deed for a mortgage and some cash.

The percentages of the mortgage debt on farms operated by owners ading for different purposes of indebtedness were quite accurately termined in the investigation of farm and home tenure and indebtness in the census of 1890. Probably the results of that investigation this respect are substantially sound for the present time. Table VIII hibits a condensed classification of the purposes of real estate mortgage bt on farms operated by owners and the corresponding percentages we beenadded for homes other than farms for the purpose of com-

It was found in the course of that investigation that a single most gage often represented debts incurred for various purposes and it was impracticable to separate these into the amounts representing the different purposes. It was determined by that investigation that 64,3 per cent of the entire real estate mortgage debt on farms operated by 670, ers was incurred to secure the purchase of real estate without the inclusion of indebtedness for other purposes; that 4.53 per cent. Was incurred to secure the purchase of real estate without the inclusion of indebtedness incurred for the purpose of making real estate improvements without complications with other purposes; and 5.31 per cent. of the debt we incurred to secure indebtedness because of the purchase of real estate and the making of improvements thereon, both purposes being combine in the indebtedness.

Various combinations of purposes are stated in the table and, will estimates in these cases for indebtedness to secure real estate purchase it seems probable that all together the indebtedness incurred for the purposes amounted to about three-fourths of the total indebtedness.

When that investigation was made, it was a time when there we many assertions of calamity in the affairs of farmers and it had been assumed that a large fraction of the farmers' mortgage debt was for all amitous reasons. It was discovered on the contrary that only 2.83 per cent. of the entire real estate mortgage debt on farms operated by omers was incurred to secure the payment of farm and family expense. In this class were included substantially all of the calamity items of in debtedness.

EVIII. - Percentage of families in the United States occupying owned and incumbered farms, and other homes, and percentage of the total incumbrance on such farms, and other homes, classified by objects of debt: 1890.

	and incumb		Owned and homes other	
Objects of debt	Per cent of families occupying such farms	Per cent of total incumbrance on such farms	Per cent of families occupying such homes	Per cent of total incumbrance on such home
chase of real estate	60.63	64.38	53-35	52.95
estate improvements	6.79	4.53	23.48	21.91
rchase and improvements (com- bined)	3.98	5.31	5.28	6.38
siness	1.62	1.95	5.66	8.09
m machines, domestic ani- mals, and other personal pro- perty	2.77	1.19	0.54	0.19
nchase, improvements, business and personal property (two or more combined) (r)	5.01	6.15	1.92	3.14
rchase, improvements, business and personal property (combin- to with objects other than farm and family expenses) (1).	0.84	1.34	0,38	0.59
uchase, improvements, business andpersonal property (combin- ed with farm and family ex- penses) (1)	9.83	9.52	2.60	2.45
arm and family expenses	5.89	2.83	4.50	1.78
Ill other objects	2.64	2.80	2 29	2.52
fotal for purchase and improve- ments(not combined with other bjects)		74.22	82,11	81.24
talior purchase, improvements, usiness and personal property set combined with other objects	- 1	83.51	90.28	92.66

ed for this combination.

As already stated, real estate mortgage debt on farms occupied by less has increased enormously during 20 years, because three-fourths-

of the amount is caused by the purchase of farms on credit. Further hymnay be thrown upon this subject by calling attention to the facili with which real estate is bought in the United States. The procedules simple; the title can be passed from one person to another within a dual or perhaps a few hours. As an illustration of the mobility of real estate ownership, it was ascertained and reported in the investigation of the and home tenure and indebtedness in the census of 1890 that in Mass chusetts real estate deeds, not including mortgages, made during to years 1880 to 1889, averaged one to 36 inhabitants annually or a deed to about 8 families. It is true that Massachusetts is a densely pulated State and that most of these deeds were for urban and suburb real estate. Nevertheless, it is to be borne in mind that the transfer title to a farm may just as easily be made as the transfer of the title tod or suburban real estate.

(To be continued)

JAPAN.

WORK OF THE JAPANESE MORTGAGE BANK (NIPPON KWANGYO GINKO).

SOURCES:

SANJU KI RIGYO HOKWAN. Kabushiki kwaisha Nippon Kwangyo ginko (Thirtieth Report on the Operations of the Japanese Mortgage Bank). Tokio, 1912. ON KWANGYO GINKO HO (Law on the Japanese Mortgage Bank). Tokio, 1912. ON KWANGYO GINKO TEIKWAN (Rules of the Japanese Mortgage Bank). Tokio, 1912. BANKING SYSTEM OF JAPAN. National Monetary Commission. Document 586. Washington. Jovernment Printing Office, 1911.

Dr. Chuji Shimooka's article, published in the Bulletin of Economic Social Intelligence for January, 1913, dealt at large with the objects, mization and work of the largest Japanese mortgage credit institute. think it advisable here to add some more recent information (the res in the above article for the most part refer to the year 1910-1911) he work of this Bank, so as to bring into stronger relief its importance the general economy of the country and especially for agriculture. In article, therefore, we shall deal with the business of the Bank in the mid six months of the financial year 1911-12, that is, in the period been January 1st. and June 30th., 1912.

§ 1. General situation of the bank on June 30th., 1912.

The total amount of loans applied for during the above period was 15,288 yens (84,539,700 frs.); that of the loans granted was 21,080,351 s (54,808,900 frs.). Let us compare the various classes of loans granted le second six months of the financial year 1911-1912, with those granted be two preceding years:

		and Half ir 1910-11		ond Half ir 1911-12	Pi Yes	rst Half If 1911-12
Kind of Loans	Number of Loans	Amount I,ent (yens)	Number of Loans	Amount Lent (yens)	Number of Loans	Amount Lent (yens)
					<u> </u>	
Made Directly by the Head Office	11,358	9,697,381 25,547,938 35,245,319	7,977 2	12,468,210 15,435,481 250,000 	7,818	6,755.53[14,254.813 ————————————————————————————————————
Guarantee of Bonds on the Industrial Agricultural Banks	1	T 20,0 00	_	_	2	70,000
General Total	11,887	35, 3 65,319	8,567	28 , 1 5 3,6 91	8,301	21,080351

It is seen that the total amount of loans considerably decrease between June, 1911 and June, 1912. This decrease, amounting to about 40 %, is still more noteworthy when we consider that the amounts of relits to the industrial agricultural banks has also decreased, so that, if on the one hand, it may mean that these latter institutes have acquired a greater independence, on the other, it may represent a considerable stagnation of business.

The Nippon Kwangyo Ginko, from the date of its institution to 13 30th. of June, 1912 had granted loans for a total amount of 206,666,44 yens. The amounts repaid during the same period amounted to 59,081,70 yens: the balance on June 30th., 1912 was therefore 146,679,838 yens, a appears in the following table.

	Loans Granted		Loar	ns Repaid	Balance		
Kind of Loans	Number of Loans	Yens	Number of Loans	Yens	Number of Loans	Yens	
ouns Made Directly by the Head Office	332	114,288,159	3,121 157	20,048,234 1,076,442	47,319 50,416	94,239,926	
cuarantee of Bonds of the Industrial Agricul- tural Banks	29 54,497	1,076, 61 4 		806,569 59,981,108		270,045 146,679,838	

At the same date the amount of discounted bills was 1,523,280 yens, ter a rapid glance at the general situation of the Bank on June 30th., 12, we shall examine more closely the various operations conducted in second half year 1911-12.

§ 2. LOANS AND BILLS DISCOUNTED.

(a) Loans Repayable in Annual Instalments.

These loans, which, as we know, the Bank makes, according to cirmstances, on mortgage or not (special loans to provinces, communes, d syndicates for the readjustment of farms, etc.), amounted at the end the financial year 1911-12 to a total of 140,662,379 yens.

The situation was, at that date as under:

the situation was, at that date as the	Number of Operations	Amount of Loans (Yens)
ought Forward from the last six months in Loans Granted in the six months	. 42,514 . 8,279	126,737,105 20,785,104
Total	. 50,793	147,542,209
epaid in the six months	. 932 . 49,861	6,859,829 140,162,380

Among these loans are of course included those made to provinces agricultural-industrial banks, to the Banks of Taiwan (Formosa) a Hokkaido, appearing under the head of loans on special security, the ance of which amounted to 642,926 yens. The other loans, that, nature are among the most important operations of the Bank from the economics social point of view, may in their turn be divided into two large class 1st., loans on mortgage, 101,761,884 yens: 2nd. loans, to public corputions, syndicates and co-operative societies, 38,257,560 yens.

We give below the details of this second class.

	Number of Loans	Amount (yens)
To Public Associations	832 2,438 963	22,329,443 13,487,301 2,247,816
To Co-operative Fishing Societies	58	193,000
Total	4,291	38,257,560

Among the loans on mortgage, which we have seen amounted 101,761,883 yens, are also included 6,907 loans for an amount of 39,516, yens; these operations are included in those authorized by article 14 of the law on the Bank itself, that is to say, they are loans on mortgage land built on or building lots, or real estate either situated in inhabit localities coming under the city (shi) régime, or such as may be eventue indicated by Imperial Decree, exclusive of land or buildings belonging industrial establishments.

(b) Fixed Term Loans.

The Mortgage Bank further lends for fixed periods on mortgage on estate or on fishing rights, or in certain cases, without mortgage, alwa however, for a term not exceeding 5 years.

On the 30th of June, 1912, the situation in respect to these loans # as follows:

Balance brought forward	Ĺ				yens	6,039,780
Loans in the half year						225,250
Total					yens	6,265,030
Repaid in the half year			•		n	517,617
Balance, 30/6/1012					vens	5,747,413

We may also distinguish the loans on mortgage on real estate, amountto 5,424,365 yens and those not on mortgage, on security or not, as ler:

•		On Security	Without Security	Total
us to Public Associations "Co-operative Societies	yens	131,680 80,950	10,418 100,000	142,098 180,950
Total	yens	212,630	110,418	323,048

Amongst these loans are 309 for an amount of 3,524,100 yens, made onformity with article 14 bis of the above law.

(c) Bills Discounted.

In the above six months the Bank discounted bills for a total amount 1,523,280 yens. We have thus the following situation.

Balance from previous six months yen Bills Discounted in the six months	
Total yen	s 2,317,843
Amounts collected	1,875,418
Balance, 30/6/1912 yens	442,425

We find a considerable decrease in the amount of Bills and Acceptanheld by the Bank in the first and second six months of the working r 1911-1912.

(d) Guarantee of Industrial Agricultural Bonds.

The Mortgage Bank may, within limits and on definite conditions, rantee the land bonds of the industrial agricultural banks (1).

⁽t) See above mentioned article in the Bulletin of Economic and Social Intelligence, ary, 1913,

In the second six months of the working year 1911-1912 the situal with regard to operations of this kind was as follows:

	Nominal Value of the Industrial Agricultural Re Bonds	.
Balance from the preceding six months ye Guarantee given in the six months	. 20 000	02 70
Total ye	ens 281,710 2	72
Redeemed in the six months	, 2,450 , 279,260 ₂	I 270

§ 3. LAND BONDS.

On January 1st., 1912 the mortgage bank had issued land bond a total amount of 131,789,610 yens (342,646,200 frs.). Up to the same it had redeemed bonds to the amount of 15,810,010 yens: the bond circulation on January 1st., 1912 amounted therefore to 115,977,600;

In the second six months of the working yar 1911-12, the Bank issued 310,750 land bonds for an amount of 14,840,000 yens. (38.5% frs.). As it had during the same time redeemed bonds to the amount 4,200,880 yens, it follows that the amount of the bonds in circulation a end of that six months was 126,616,720 yens. The 310,750 land b issued for a total amount of 14,840,000 yens in the second six months 12 are of five different issues.

Ist. and 2nd. issue, 384 bonds for 10,000 yens (25,800 Total 3,840,880 yens. Interest 4.5 % per annum.

The 1st. issue was made on January 31st., the 2nd. on May 15th., The bonds were issued at par and were all subscribed. They redeemed by drawings, twice a year: at each drawing bonds mis drawn for the amount of at least 50,000 yens. The extreme term redemption is 18 years.

3rd. issue. 10,366 bonds for 100, 500, 1,000 and 5,000 yens, for a amount of 5,000,000 yens. Interest 5.5% per ann. The bonds were at 97 and were subscribed to the amount of 5,200,000 yens, that is 200,000 yens more than the nominal value. They are redeemed by m of drawings twice a year: at each drawing bonds for not less than 9 yens must be drawn. Extreme term for redemption: 27 years.

4th, and 5th, issue. Each of them of 150,000 bonds for 20 yess tal 6,000,000 yess. The fourth issue began on February 2nd., 1912,

on June 5th. Interest 5 % per ann. The bonds were issued at parameter subscribed for 704,160 yens beyond nominal value. They edeemed in a maximum period of 40 years by means of suctatement in a maximum period of 40 years by means of suctatements. Up to the sixteenth drawing inclusive these take place times a year: each time for an amount of at least 9,000 yens. From 7th, to the 85th, the drawings take place twice a year: up to the inclusive, each time for an amount of at least 15,000 yens; from the forward, each time for at least 45,000 yens. The first drawing of bonds of the fourth issue took place in July 1912, of the fifth issue in August. These two last classes of bonds are prize bearing. For each of the two is there are 450 prizes for an amount of 30,750 yens at the first drawing to prizes for an amount of 8,910 yens at each successive drawing total amount of the prizes is 796,900 yens for each class and 1,453,800 the successive drawing total amount of the prizes is 796,900 yens for each class and 1,453,800 the successive drawing total amount of the prizes is 796,900 yens for each class and 1,453,800 the successive drawing total amount of the prizes is 796,900 yens for each class and 1,453,800 the successive drawing total amount of the prizes is 796,900 yens for each class and 1,453,800 the successive drawing total amount of the prizes is 796,900 yens for each class and 1,453,800 the successive drawing the successive d
in all. The increase in the prize fund for these bonds has been as follows:
the Forward from the Previous six months yens 648,919,427 d to Prize Fund during the six months
Total yens 706,918,457
s paid in the six mouths " 43,991,810
Balance on June 30th., 1912 yens 662,926,647
The Japanese Mortgage Bank is authorized to issue mortgage bonds wer interest for conversion of mortgage bonds previously issued, but, however, being bound by the legal restrictions on the issue of arry land bonds. However, after an issue of these mortgage bonds we interest, the bank is bound within a month from date of the to redeem by means of drawing ordinary land bonds for an amount to that of the new issue. In the second six months of the working year, 1911-12, there was not of this kind: however, the extinction of those previously issued condition to the amount of 191,160 yens. These bonds are all prize bearing nominal value is 5 yens, and they bear interest at 3 %, while the value of the sum of the circulation of these bonds at the end of the six months is follows:
ght Forward from Previous six months yens 18,966,625 emed in the six months

The total issues of these bonds from the date on which the Bank on menced working amounted to 20,432,600 yens; of which 1,656,975 pe

were repaid within the second half year 1911-12.

Article 34 of the law on the Nippon Kwangyo Ginko allows the Ba to issue land bonds, after extinction of those converted, up to ten times t amount of the share capital : still the amount of the bonds cannot exe that of the loans redeemable in annual instalments, plus the amount of industrial agricultural bonds that the Bank guarantees,

The following data show that the above conditions have been observe

The following data blow that the above conditions i	m vc ne	en obsette
Amount of Loans Redeemable in Annual Instal-		
ments	yens	140,662,1
Agricultural Industrial Bonds Guaranteed by the		1 1-440
Mortgage Bank		270,0
Total	vens –	140,932,4
· ·	,	-40,934,4
Amount of Ordinary Land Bonds in circulation, June		
30th., 1912		124,616,4

There was therefore a balance of 14,313,705 yens.

§ 4. Profit and loss account.

Before closing these notes on the work of the Japanese Mortgage Bar we shall give a summary of the profit and loss account of the Bank its for the second half year 1911-12. The accounts were closed with a net p fit of 1,030,529 yens (2,679,650 frs). The profits (5,823,907 yens) a sist almost entirely of the interest on loans, amounting to 5,221,705 ye The losses on the other hand (4,793,380 yens) are more than half due interest on bonds (2,724,092 yens.). Let us give a few further deta with regard to these accounts:

(a) Profits.

Interest on Loans	yens "	5,221,7 18,1
Interest on Deposits in the Savings Bank and other Institutes	,, ,,	419,9
Interest and Dividends on Bonds belonging to the Bank Various Commissions	" "	28,0 120,7 2,7
Profits on Bonds belonging to the Bank Other Profits	12	12,6
Total Balance from Previous Half Year	"	5,823,9 104,8
Total	,,	5,928,7

(b) Losses

rest on Land Bonds yens	2,724,082
gs on Land Bonds	220,400
rest and Prizes on Converted Bonds ,,	372,641
gest on Deposits	230,667
ious Commissions	579,116
inary and Extraordinary Expenditure on Bonds . "	224,742
<u>,66 </u>	139,747
ges and Bonuses	146,963
er Expenditure	76,895
es on Bonds held by the Bank	1,055
er Losses	3,564
ious Payments	6,360
ses in Redemption of Bonds "	49,147
Total "	4,793,379

The total profit for the half year, 1,030,529 yens, represents an annual of 33 % on the paid up capital (6,250,000 yens). The total half s' profit (net profit plus balance from the preceding six months) is 5,358 yens, divided as follows:

erve Fund	yens 165,000
" for Dividends. (1)	" 41,000
uses to the Higher Employees	" 75,000
idends	" 664,000
dal Reserve Fund	" 85,000
fied Forward	" 105,558
· Total	" I.135.358

In view of the results of the second half year 1911-12 and in view of estimate for the next working period, the Minister of Finance has coned the maximum rates of interest already approved for the previous months, for the various loan operations. (Cfr. Bulletin of Economic Social Intelligence, January, 1913, p. 124).

To complete and summarise our statements we reproduce the balance to f the Japanese Mortgage Bank for the second half year 1911-12.

⁽¹⁾ Article 43 of the law on the Mortgage Bank orders that every year 8 % of the ts shall be placed to the reserve fund to meet the annual loss of capital and at least of the profits shall be deducted so that there may be no variation in the annual, lend,

Credits.

Debits.

Paid up Capital	vens	6.250.000.00	Share Capital	ron:	
Loans Repayable	•		Reserve Fund	y Cits	
in Instalments .	>	47,648,513.36		,	I,59I,300a
Loans Repayable			Dividend Reserve		
in Instalments,			Fund	'n	397,100,
Secured	35	92,370,930.97	Special Fund	,	1,042,0004
Loans Repayable in			Dividends	*	
Iustalments with				,	• 0'0484
Special Guarantee	,	642,935.60	Land Bonds in Cir-		
Term Loans	*	3,878,417.95	culation	*	126,616,720.6
Term Loans, Se		060	Converted Bonds .		18,775,625
cured	*	1,868,995.00	Fixed Term Depos-		rrun -g.
Guarantee of Indus-			its	,	419,5294
trial – Agricultur-		250 045 00	Deposits in Current		1,10,044
al Loans Short Term Loans	,	2 70,045.00 2,500.00	Account	»	••••
Discount	,	442,425.00		•	102,971.0
Deposits in Savings	•	442,423.00	Deposits in Special Current Account		
Banks	*	18,462,660.00	•))	300,470.4
Deposits in Other	-	10,400,000.00	Deposits Repayable		
Institutions	,	2,297,502.10	on Demand	n	500.0
Current Accounts of	_	-1-9113	Special Deposits	2	647,069.
Post Office Sav-			Deposits at Sight.	,	
ings Bonds	,	80,062.80		•	3,795,751.
Public Debt Secur-			Interest and Prizes		_
ities	,	981,456.38	on Bonds	20	2,416,120
Increase in Value			Funds for Prizes on		
of Banks	*	824,044.00	Bonds		786,880.t
Collected by Agen-			Collected for Ac-		
cies on Bonds .	*	410,700.00	count of Third		
State Loans	*	223,903.75	Parties	×	47,216.
Office Buildings.	*	87,337.58			1111
Office Furniture	*	18,496.87	Extraordinary Ex-	_	20,000(
Real Estate belong-			penses	D	20,000
ing to the Bank	>	<i>7</i> 6,917.68	Brought Forward		
Payments on Ac-			from Previous		
count of Third	_	.6+ ma6 =6	Account	,	104,828.3
Parties		461,7 9 6.56 104,698.79	Profit	D	1,030,529
Cash in Hand	".	104,090.79	I TOLLE		
Total	,	178,104,762.42	Total)	178,104,7624

Part IV: Miscellaneous

PORTUGUESE COLONIES.

(Saint Thomas and Prince's Island).

ORGANISATION AND CULTIVATION OF ST. THOMAS AND PRINCE'S ISLAND.

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§ 1. AGRICULTURAL AND COLONIAL IMPORTANCE OF SAINT THOMAS AND PRINCE'S ISLAND.

On account of their extraordinary fertility, these islands are probable the richest of all the Portuguese colonies. Both were discovered in 14 by João de Santarem and Pedro Escobar, but discouraging reports a their climate hindered their economic development until the success cultivation of the sugar cane raised them into importance.

Their development, however, was not without its critical periods, a most serious occurring about the end of the XVIIIth. century and a beginning of the XIXth., when cultivation of the sugar-cane in Bar diverted the attention of the mother country. About this time (in two coffee was introduced, and a little later cacao, the cultivation, which was so successful that it soon became the most important industrial saving the planters from ruin.

The islands, lying between lat. N. 0.01' and 1040' S. and long. 6025' and 70 28' E. of Greenwhich in the Gulf of Guinea almost on the equal have a total area of about 1,200 square kilometres, of which I, I belong to St. Thomas and II3 to Prince's Island.

Relying, in the absence of an agricultural map of the island upon the information supplied by cultivators and the administrativa authorities, we may divide this area as follows:

(Under cultivation	Hect.	52,407	
St. Thomas	Under cultivation Devoted to roads, dwelling houses etc Uncultivated	"	5,526 45,067	103,000 Hed
D: 471 1	Under cultivation Devoted to roads, dwel-	Hect.	9,881	
Prince's Island	Under cultivation Devoted to roads, dwelling houses etc	",	1,077 6,042	17,000 Hec
				120,000 Hec

At the present time the population is estimated at 68,221, of wh 66,171 are negroes, 2,000 Europeans, and 50 natives of Portuguese in and Macao. This gives an average of rather more than one inhabit (1.093) to each hectare under cultivation, a very small ratio consider that of the 68,221 inhabitants, there are really only 40,000 active engaged in agriculture (0.642 per hectare); the remainder, in the 6 Europeans, are overseers who do little or no work. At the same the supply of labour is totally insufficient.

The island of St. Thomas is mountainous with a soil of volume origin. Some of the mountains are of great height, Pic Calvario for e

le (1,850 metres), and *Pic Saint Thomas*, the central point of island (2,142 m.). Prince's Island is less mountainous but is also olcaric origin. Both islands are well watered.

The climate is unsuited to Europeans. In the rainy season it is icularly unhealthy on the coast and the low-lying parts of St. Thomas. In the interior, however, where the more important agricultural res are, the climate is temperate, almost healthy for negroes, and not adurable to Europeans, an advantage which does not exist in the case rince's Island. Thanks however, to the measures taken by the Govnett, the population continues to increase, having risen from 3,636 took 4,309 in 1912.

Throughout the island of St. Thomas, which is covered by forests triking beauty, there are scattered large estates managed either diry by the proprietors or by their agents. These estates are devoted fly to the cultivation of cacao and coffee, and in a less degree to quinkola, guavas, oranges, papaws, lemons etc

It would be interesting to give some statistics of the production of colony, but as no such statistics have been compiled, we can only the summary returns of produce exported in 1911.

roduce exported	Saint	Saint-Thomas		Prince's Island			
in 1911	Kg.	Value in france	Kg.	Value in france	by the colonies in 1911.		
30	28,948,857	33,385,426.83	2,363,277	2,808,587.80	36,194,014.63		
iee	746,574	926,114.33	1,357	240.75	926,355.08		
ber products	_	436,434.14	-	19,672.87	456,107.01		
Total		34,747,975.30		2,828,501.42	37,5 76,4 76. 7 2		

This total of 37 million francs is a proof of the importance of the mies. But we must add that in fifteen years re-exported colonial duce reached 750,000,000 francs, 99.54% of this sum being contried by Angola and St. Thomas, almost in equal parts. We must e, however, that Angola has an area of 1,225,775 square kilometres, while total surface of St. Thomas and Prince's Island together measure, y1,200 square kilometres, and also that the re-exports of the produce o gola have been practically stationary for the last twelve years, while seed St. Thomas are constantly increasing. Thus, in the years 1896-1898 re-exportation of produce from Argola stood at an annual average of 950,000 francs or 71% of the total, while that of St. Thomas was (9,530,000 francs). In the annual averages 1908-1910, re-exports m Angola amounted to 25,420,000 (39% of the whole) while those m St. Thomas reached 38,565,000 francs, the position being almost

reversed. In both earlier and later periods, the value of re-exports in other colonies is given as only 1 %.

These figures show clearly the importance of St. Thomas to Portug

§ 2. Organisation of estates and method of cultivation

The organisation of property is similar to that of the mother-on try, but large estates are the rule. Of 62,288 hectares under cultivation these islands 22,360 (36 %) represent estates the extent of which is from 1,000 to 5,500 hectares; 21,829 hectares (34 %) are in estates from 500 to 1,000 hectares, 17,599 hectares, (29 %) to farms of from to 500 hectares and about 500 hectares (0.8 %) are in small estates of than 5 hectares. These estates (rogas) belong to individual propriet in the proportion of 76 % and to societies and limited liability of panies in the proportion of 24 %. The following table includes the mimportant of these companies:

Name	Capit a i	Area cultivated Hectares	Area not Cultivated — Hectares	Production of cacuo in kg
	`		ì	
Comp. Agricola da Ilha de S. Thomé	2,500,000	990	3,900	154,70
Comp. Agricola da Ilha do Principe	18,000,000	6,160	4,800	2,548,57
Comp. Roça Porto Alegre	10,000,000	1,710	1,272	834,88
Comp. Agricola das Neves	5,000,000	1,170	200	720,00
Comp, Roça Vista Alegre	2,500,000	270	• _	186,07
Comp. Agric. Graia Grande	1,555,540	450	300	189,16
Soc. de Agriculture Colonial	9,000,000	5,171	2,655	1,056,18
Empreza Agricola do Principe	4,200,000	1,415	500	230,63

As the table shows, these companies do not cultivate the whole the land belonging to them. The same is true of private individual and is owing to the scarcity of labour.

In 1911, for example, the largest proprietor, who held 10,350 hectar cultivaged only about 5,850, as he could not obtain more than 3,80 paid negroes. He nevertheless succeeded in producing 345,380 kg coffee and 3,438,540 kg of cacao. The position is the same in most the rocas. The area cultivated comprises about 62,288 hectares, and it

neultural labour is performed by about 40,000 individuals, that is about persons to ten hectares, certainly a very small proportion. Even if s were sufficient, 35,000 negroes would still be required for the 51,100 tares not yet under cultivation.

Let us now consider the organisation of one of the large estates, for imple the Roga Agua Izé belonging to the Companhia da Ilha do Pring in St. Thomas. This roga has an extent of 8,000 hectares or which no are utilised (3000 in plantations and 1,800 in railways, buildings,

ids. etc.); 3,200 still remain to be cleared.

Agna Izé is divided into six districts. In one is the central administion (Praia Rei) where the director, the European staff and their servis reside; in the others are the foremen and the labourers employing athering the crops. The produce is collected in the various distands ent by rail (in this roca there are nearly 45 kilometres of raily belonging to the company) to headquarters where it passes through tain processes before being shipped.

At Praia Rei, which is almost a town, there are warehouses and wide icts of land where cacao and coffee are dried in carts which can be drawn der shelter when it rains, the whole occupying about 20,000 square tree,

On receipt of an order the goods are shipped from the port of the roça. In the Roça Agua Ixé there are no fewer than 2,500 negro labourers der the direction and supervision of 50 Europeans.

It must be added that the Company does not neglect the needs of the gross. At Praia Rei there is a large hospital and ambulances for the nous districts. The mothers have the advantage of crèches, etc.

§ 3. AGRICULTURAL LABOUR IN ST. THOMAS.

In addition to the Europenans who supervise and direct the roças, and tives of the islands who are generally small landowners or fishermen to do not work for hire, there are 40,000 negroes employed as bourers on the estates. The plantations of cacao and coffee are ing extended, and the government has permitted the immigration natives of other colonies, Mozambique, Cape Verde, Cabinda and Andla. Some account therefore is necessary of the regulations respects the engagement of the negroes, their economic condition, the nature the work, etc.

(a) Recruiting of labourers for St. Thomas. We shall here speak ily of labourers from Angola because they are most numerous and perips the best from an economic point of view. First, let us take the ethod of procuring them. By a decree of July 20th, 1912 the agriculturts, manufacturers and merchants of St. Thomas and Prince's Island he require labourers must adopt one of the following methods:

Ist. Such agriculturists, manufacturers and merchants may meet id elect by ballot a Recruiting Committee (Junia de Recrutamento) comsed of seven members, five from St. Thomas and two from Prince's

Island, who will have charge of the necessary funds. They first n_{0mins} a Chief Agent to undertake all the recruiting with the assistance subordinate agents whose names must be submitted for approto the governor of the Province of Angola and to the governors of the respective districts. The Chief Agent, sub-agents, and assistants lead a fixed salary with extra payments in proportion to the number of groes engaged. They have a monopoly, and any other person convint of recruiting is punished by a fine of from 2,500 to 5,000 francs, and in one to five years' imprisonment. The agriculturists, manufacturers a merchants must pay between March and September an advance of I. reis (7.50fr.) for each labourer they require. The whole amount for a permanent recruiting fund to be deposited in the branches of f Banque d'Outremer, or other similar establishments, to be at the disme of the Committee. Besides this, the Committee receives from t agriculturists, manufacturers and merchants the necessary funds for m ing the salaries of the recruiting agent and his subordinates, and t payments due to the State in virute of Art. 20 of the decree of M 27th., 1911 (1) up to 7,200 reis (36fr.) for each engagement.

and. Agriculturists, manufacturers and merchants may form an Bigration Company for St. Thomas according to the laws in force, provide that the statutes of the proposed company be submitted to the government for approbation. Such a company possesses the same powers a Recruiting Committee. The principals interested have preferred the method, the Sociedade de Emigração para S. Thomé e Principe has be constituted, and its statutes approved by the decree of Nov. 2nd., 1912. is a limited liability company under the Commercial Code, with a capi of 20,000,000 reis (100,000fr.) divided into 200 shares, but the Council Administration may raise the amount to 500,000 fr. The head office at Lisbon, but there will be branches in the Portuguese colonies who emigration is permitted, and also at St. Thomas. The St. Thomas bran will appoint the Recruiting Agent, who will select his subordinates su ject to the approval of the authorities of the province of Angola.

The applications for labourers must be made between March a September to the St. Thomas branch, and the allotment of the labour will be made later in proportion to the applications.

It must be added that this company will not seek to make a profund the sums promised in advance by the agriculturists will only be acted up to an amount approximately equal to the estimated peuses. If any profits are made they will be divided thus: 5% the net profits to a permanent reserve fund not to exceed one-fifth

(1) These payments are graduated according to the number of months for which labourer is engaged as follows:

Up	six months				fr.	2,50
,	nine »					2,25
,	one year .				•	2,00
	one year 6				'n	1,75
	two wears				>	1,50

capital, and any residue to a special reserve fund to cover deficits management expenses.

Let us now see what the agents of the Company do in Angola, first ating out that male natives in Angola as in other Portuguese colonare free, but under a moral and legal obligation to seek work 2 of the decree of the 27th. May, 1911) unless they possess the means ristence, cultivate their own land, work for wages for a certain number nonths in each year, or unless they are ill or under the ages of 14 or we 60.

The natives are compelled to work, but they are free to give their frees anywhere within the limits of the territory, and the natives of gola may also work outside it. Under certain conditions the Company's nts offer them work at St. Thomas, and if they accept both parties st sign a labour contract before the Curator General of Angola, a emment official and a judge of appeal, or before his representative. The Curator and his representatives must not give their sancumless they are convinced that the parties are not acting under comsion.

These contracts are made according to the Portuguese Civil Code, according to the terms of Art. 17 of the decree of the 27th, May 1911, y must stipulate (a) that the engagement shall not exceed two years; what kind of work is to be done; (c) the amount of remuneration in 12; (d) the place where the work is to be done.

All contracts must also contain clauses requiring the employer, (a) to reduce provision for labourers who may fall ill; (b) to give them suffict food; (c) to provide healthy quarters and clothes; (d) to refrain a direct or indirect restraint as to their purchasing articles of neces; (e) not to withhold any portion of their wages; (f) to refrain from corporal punishment including deprivation of food; (g) to undertake end the labourers back to their homes with due attention to their tort and under proper hygienic conditions on the expiration of the tract

By the terms of Art. 28 of the decree, the travelling expenses of the mrers both in going and returning must be paid by the employers, the Curators must ascertain that the journey is made under suitconditions.

(b) Nature of the work. — The negroes are employed in cultivating gathering the various crops grown on the estates, but chiefly 10 and coffee. For the rougher and more severe work, such as the ring of forest-land, or the preparation of land for cultivation, importabour is rarely employed. For such work the angolares (descendants atives of Angola shipwrecked on St. Thomas in 1540) make a contract. In fact the imported negroes only plant the land prepared by the wlares and are in turn employed in lopping trees, in harvesting, in ing and separating different kinds of produce, in packing and carry-produce to ports of embarcation. The inland transport is carried by means of narrow gange railways.

The preparation of cacao consists in breaking the pods, ferment drving, sorting, putting into sacks, etc.; that of coffee in husking m ing, etc.

(c) Wages system. This is identical for the different kinds of our, and consists in wages paid monthly in addition to food, lodging d ing and medical attendance for the labourers and their families, prising even those members who cannot work. As already said the golares only work by contract.

The labourers have no precise task to finish. They do what can and receive their wages at the end of the month whatever be the done by them. But those who distinguish themselves by doing t work than the rest receive rewards. Those who do not yet know to do the work receive their monthly wages notwithstanding, during time of their apprenticeship, which is short.

The law fixes the minimum monthly wage for negro men at 2 reis (12.50fr.) and for women 1,800 reis (9 fr.). In Mozambique the imum is 3,500 reis (17.50 fr.) and some of the Angola and Cape Verde groes receive 3000, 4000, and 5000 reis (respectively 15, 20, and 25 fm)

(d) Living condit ons for the native labourers. We have seen the climate though merely tolerable for a European may be consid excellent for negroes compared with their native lands. The ord regularity and moderation of the labour on the plantations makes it more endurable. Work begins at six a. m. and continues for nine a half hours with two intervals, one from 8 to 8.30 and another for a. m. till 1.30 p. m. These hours of leisure are often devoted to dan

The labourers have no anxiety about their maintenance or the their families, since this devolves on the employer, as we have all seen. They have a right to leave the plantation without permis to make complaints against infraction of the contract or against ill-to ment (corporal punishment or deprivation of food being forbide they pay no taxes, and have a right to support in their old age or capable of work, etc.

§ 4. LEGISLATION FOR THE PROTECTION AND ASSISTANCE OF NATIVE LABOURERS AND PROVISION FOR THEIR FUTURE

The Government does not confine itself to the measures of which have spoken. In St. Thomas and Prince's Island, in virtue of the of 29th. April, 1875 and an order of 21st. November, 1878, the curato the negroes are empowered to intervene in contracts for re-engager between employer and labourer, and even to oppose the conclusion a contract if prejudicial to a negro; to ensure (either in person or the their representatives) that the clauses of the contract are carried of · both sides examining into all necessary particulars; and to attend dire deputy to all claims and complaints of the interested parties as to namer in which the rules are followed, and adjudicate in each etc.

Portugal does not forget to help the negroes. There are hospitals sem in all the principal towns, and by a decree of 2nd. November, 1912, swill shortly be established in all the villages, as may be seen from ollowing Articles which we quote:

Art. I. — The Government is authorised to devote two-thirds e revenue of the funds deposited in the Cofre de Trabalho e Repalo de S. Thomé e Principe in respect of deceased contract labourers e erection of cottage hospitals for natives in the villages of the noe.

Art. 2.—The residue of these two-thirds of the net revenue of unds of the Cofre de Trabalho e Repatriação, after deducting the necessary for the object specified in Art. 1 and any further sums under § 2 of Art. 14 of the decree of 17th. July, 1909, shall be devoted assistance and education of the natives.

Art. 3. — One-third of the sums mentioned in the above articles I "funds for assistance" shall be devoted to the erection of a sanam for the natives of the *Saudade*.

Art, 4. — After the building of the hospitals the "funds for assis-" shall be employed for the founding and general expenses of agriral and industrial schools or other works for the assistance and edun of the natives.

For the further protection of the natives, proprietors who employ ast 50 labourers on an estate which is more than 50 km. from the mment hospitals, are required to maintain separate infirmaries ach sex, and a dispensary. If the estate is within that disthe labourers must go to the Government hospital, but at the extension of their employer. The infirmaries, hospitals, crèches and dwelbouses, belonging to landowners and appropriated to the use of negative are subject to the rules concerning health laid down by the governing the province on the report of the local Labour and Emigration mittee under penalty of a fine of from 250 to 6,000 francs.

St. Thomas is divided into 14 sanitary districts and Prince's Island two, according to the terms of Art. 109 of the decree above quoted. ach district there is a Portuguese doctor paid by the proprietors, eduty it is to visit twice weekly those estates employing 1,000 workind once weekly all the others, and more frequently in urgent cases. The work of women and children has not been forgotten. Art. 102 rescessation from work for women during 30 days previous to and 30 after confinement without suspension or reduction of salary, and g the first six months of nursing their infants the work of women is a reduced

Art. 105 prohibits the employment of minors from 11 to 14 years ge in any work except seed minding, poultry minding and the er domestic occupations.

In matters of thrift the Government has founded the Copie de In balho e Repatriação (Labour and Repatriation Bureau, and employe are bound to deposit there in advance a sum sufficient for the repair tion of the negroes and one half of their salary (Art. 97 of the One of 17 July 1907) so that through this measure the employees are new without resources at the end of their contract. In last October in financial position of this bureau was as follows:

Balance of previous month:

Sent to the Colonial Ministry for investment Fr. On deposit with branch banks of the	1,500,000.00	
Banque d'Outremer ,, Deposited during the month ,,		Fr. + 3,090,7531
Withdrawn for repatriations Fr. Withdrawn for the travelling expenses of the Government commis-	24,420.76	
sioners , ,	110.00	Fr. — 26,530.7

Credit account for the following month:

Sent to the Colonial Ministry for							
investment	,, 1,500,000.00						
On deposit with branch banks of the							
Bank d'Outremer	,, 1,564,222.00						

Fr. + 3,064,222,

The bank is under the direction of a Local Committee for Emigratic composed of the Curator General of the province, one engine the manager of one of the branch banks of the Banque d'Outremer at three proprietors or administrators of agricultural estates. The function of this Committee determined by Art. 14 of the decree of 17th. July, 19 may be summarised thus: to draw up rules for the management of win the province, which it must submit to the Government; to superinter the funds deposited in the Bureau for work and repatriation, and to a mainister them according to law; to supply the various estates with 18g labourers in proportion to their requirements; to watch over the information open tracts, especially with reference to accommodation, attendant repatriation, renewal of contract etc.

These regulations are applicable to Prince's Island as well as St. Thomas. The law of 17th. April, 1912, for combating sleeping sicket does not, however, apply, to the latter.

According to this Law (17th April 1912) it is incumbent on employers ovide at their own expense for the equipment of bodies of labourers ged with the work of combating the tsetse fly, both directly through se of bird-lime and other efficacious means and indirectly, by leasing of dwelling-places, water-courses and their banks, by the uction of useless vegetation, of brush-wood (capoeiras) near wateres, dwelling houses and sheds for animals, and by the protection of swith mosquito netting. Both the labourers and the animals in such es must be provided with suitable clothing, treated with bird-lime. The Government on its part has appointed a sanitary commission to exelabourers on their arrival on the island, and to isolate those already ked by sleeping-sickness, to examine those about to leave and a any person likely to carry infection, and to carry out for areas not ivate ownership the measures which are incumbent on proprietors their own estates.